UNIVERSITY OF LONDON

UNIVERSITY COLLEGE ANNUAL REPORT 1952-1953

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OFFICERS OF THE COLLEGE

CHAIRMAN OF THE COLLEGE COMMITTEE

THE RT HON. LORD NORMAND, LL.D.

TREASURER

SIR FREDERICK JAMES, C.B.E.

PROVOST

B. IFOR EVANS, M.A., D.LIT.

SECRETARY

E. A. L. GUETERBOCK, M.A.

REPORT OF THE CHAIRMAN OF THE COLLEGE COMMITTEE AND THE PROVOST

CHAIRMANSHIP OF THE COLLEGE COMMITTEE

We record with regret the resignation of Lord Normand from the Chairmanship of the College Committee at the end of the academic year. Lord Normand has rendered many and notable services to the College since his appointment in 1949 and has gained the esteem and affection of all members of the College.

Lord Cohen has accepted an invitation to succeed Lord Normand in the office of Chairman.

THE COLLEGE COMMITTEE

The membership of the College Committee has been strengthened by the welcome appointment of Sir Wallace Akers, until recently a Director of Imperial Chemical Industries, Limited; of Lord Cromer, a Managing Director of Baring Brothers; of Mr T. A. L. Paton, a Partner in the firm of Sir Alexander Gibb and Partners; and of Mr F. J. Stephens, a Managing Director of the Royal Dutch—Shell Group.

OBITUARY

By the death in November 1952 of Sir Robert Waley Cohen, the College lost one who had given outstanding service as Vice-Chairman of the College Committee from 1944 to 1952, as Acting Chairman from 1947 to 1949, and as a member of the most important committees of the College. His labours to develop the academic life of the College and the value he attached to all aspects of its work will always be remembered gratefully.

Mr C. O. G. Douie, Secretary of the College from 1927 to 1938, who died in July 1953, played a large part in the many and great changes and developments which took place in the College during those years. His continued and valued interest in the affairs of the College was recognized in his recent election to the Council of the Friends of University College London.

Among the old students whose death occurred during the year were four Fellows of the College: Mr S. B. Donkin, Professor Samuel Smiles, Professor F. E. Weiss, and Miss Alice L. S. Riding

one of the earliest women students of the College and a Fellow since 1888; and Dr John Scott Lidgett who was a student in the Faculty of Arts from 1872 to 1876.

HONOURS AND APPOINTMENTS

The 1953 New Year Honours included the conferment of the order of K.C.M.G. on Mr E. A. Chapman-Andrews, Fellow of the College, H.M. Ambassador at Beirut; of a knighthood on Professor W. G. Holford, Professor of Town Planning since 1947, President of the Town Planning Institute for 1953–54; and of the order of C.M.G. on Mr R. G. Turnbull, student in the Faculty of Science from 1926 to 1930.

Coronation Honours were conferred on three Fellows of the College: Sir William Strang was promoted to G.C.B. (Civil Division); Mr Alfred Bossom became a baronet; Dr F. M. R. Walshe received a knighthood.

Among the many other honours and appointments obtained by past and present members of the College during the year, we would make special mention of the following: the award of a Royal Medal, on the recommendation of the Royal Society, to Professor C. K. Ingold; the award of the Royal Society's Darwin Medal to Professor J. B. S. Haldane, and the election to Fellowship of the Royal Society of Professor L. S. Penrose; the election to Fellowship of the British Academy of Professor J. Černý, Professor Morris Ginsberg and Professor J. R. Sutherland; the election of Professor H. Hale Bellot as President of the Royal Historical Society; the appointment to University Chairs and professorial posts of eight former students or members of staff of the College: Dr F. Barlow to the Chair of History at the University College of the South West, Exeter; Mr N. Gash to the Chair of Modern History at the University of Leeds; Mr N. H. Gibbs to the Chichele Chair of the History of War at Oxford; Mr A. T. Hatto as Professor of German Language and Literature at Queen Mary College; Mr W. F. Mainland to the Chair of German at Sheffield; Professor W. N. Medlicott to the Stevenson Chair of International History at the London School of Economics; Dr M. L. K. Suratgar as Professor of Persian Literature and Culture in the University of Columbia, and Professor Basil Ward to the Lethaby Chair of Architecture at the Royal College of Art. Commonwealth Fund Fellowships for 1953–54 were awarded to Mr A. Brown, Dr R. J. Gillespie, Mr P. G. Moore, and Dr E. A. Power, and Rome Scholarships to three students of the Slade School of Fine Art, Mr M. J. Andrews, Miss Susan J. Benson and Mr E. Uglow, and to

Mr B. Hamilton of the Faculty of Arts for Mediaeval Studies. A Leverhulme Fellowship was awarded to Dr Elizabeth Wilkinson.

SPECIAL EVENTS

THE CENTENARY OF THE BIRTH OF SIR WILLIAM RAMSAY was celebrated in October 1952. His Royal Highness The Duke of Edinburgh was guest of honour at the Centenary Dinner held on 15 October and proposed the toast, 'The Immortal Memory of Sir William Ramsay'. His speech was broadcast, together with the speech made by the Provost in reply. The Dinner was attended by a distinguished company including relatives of Sir William Ramsay, ambassadors and representatives of foreign countries, members of the Ramsay Memorial Trust, and representatives of many of the leading industrial firms in this country as well as of academic and scientific institutions.

The Centenary Exhibition, for which apparatus and personal relics were gathered together from many quarters, was arranged at the Science Museum at South Kensington by Mr A. Barclay of the Museum, assisted by Mr L. F. Gilbert of our own Chemistry Department. Lord Woolton presided at the opening ceremony on 2 October, when a lecture on the life and work of Ramsay was delivered by Dr Sherwood Taylor, Director of the Museum.

A Centenary Appeal was associated with the celebrations and addressed to industry with a view to raising £100,000 for the Ramsay Fellowships and for the enlargement of our Chemistry Department, in which Ramsay worked, by the building of an additional storey. An encouraging response, which we acknowledge most gratefully, has now raised a Centenary fund, including covenanted subscriptions, of some £90,000.

Lady Tidy, Sir William Ramsay's daughter, and Professor Morris Travers, his collaborator, have made a gift to the College of the great collection of Ramsay letters and papers and other material which Professor Travers has been accumulating over a number of years.

On 17 June 1953 celebrations were held at the College to mark the CENTENARY OF THE BIRTH OF SIR FLINDERS PETRIE.

The Exhibition of the Petrie Collection of Egyptian Antiquities, arranged by Mr A. J. Arkell, was formally opened by Lady Petrie and remained on view to the public until the end of August. The opening of the Exhibition was followed by a reception and the Centenary Lecture given by Professor S. R. K. Glanville on the life and work of Sir Flinders Petrie. A dinner, which was attended by

members of the family of Sir Flinders Petrie, by His Excellency The Egyptian Ambassador, and by many British and foreign Egyptologists, brought the celebrations to their conclusion. Speeches were made at the dinner by Professor W. B. Emery, who proposed the toast 'The Immortal Memory of Sir Flinders Petrie', and by Lady Petrie and Dr Margaret Murray. A gift of £100 for a Flinders Petrie Scholarship Fund was made by Lady Petrie at the Centenary celebrations. Further it was announced that the British School of Egyptian Archaeology had the intention of presenting its funds to the College for the establishment of a scholarship.

It was a happy coincidence that in this Centenary year Professor Emery, who directed the excavation of the Egypt Exploration Society at Sakkara during the spring term, should have had a particularly successful season's work, resulting in the discovery of the tomb of the Pharaoh Uadji, third King of the First Dynasty. The successful reopening of British excavation in Egypt after an interval of nearly twenty years marks a notable event in the record of Egyptological research.

War Memorial Ceremony. In order to ensure that the record of those associated with the College who lost their lives in the 1939–45 war should be as complete and accurate as possible, the work of compiling a Roll of Honour proceeded slowly, and it was not until 11 November 1952 that a ceremony was held to mark its completion.

The ceremony was held in the General Library of the College. In his address the Provost drew attention to the fact that the Roll of Honour—comprising 174 names—unlike that of the 1914–18 war which was confined to men in the fighting services, included the names of those who lost their lives in any form of national service or as civilian casualties, some while actually in the service of the College. He said that we had lived for many years among the problems created by the material damage suffered by the College, but had on this occasion turned to commemorate something closer to our hearts—the sacrifice of those who died.

The Vice-Chancellor of the University, Professor H. Hale Bellot, placed the Roll of Honour in an exhibition case and handed the key of the case to the Librarian of the College. The ceremony was followed by a reception by the Provost of the relatives and friends of those named on the Roll of Honour who had joined in the act of commemoration.

The inscription of the Roll of Honour was the work of Miss Rosemary Ratcliffe. The binding of it was undertaken by Mr Sydney

Cockerell, who also rebound the two volumes of the 1914–18 war memorial album, so that all three books might be placed together as companion volumes in the exhibition case designed by Professor A. E. Richardson.

THE FIFTIETH YEAR OF THE GEOGRAPHY DEPARTMENT was celebrated on 16 May 1953. The celebration included a tea-party at which 220 persons, largely past members of the department, were present, a symposium of five talks by former members of the department, and a dinner.

THE ASSEMBLY OF FACULTIES was held at Friends' House on Thursday 2 July 1953. Professor A. V. Hill, a distinguished member of the College for the past thirty years, accepted an invitation to assume the rôle of Special Visitor and delivered an address to a large and appreciative audience. Tea was served on the lawns of the Main Quadrangle and was followed by performances by the Music Society, the Dramatic Society, and the Country Dancing Club.

ACADEMIC ACTIVITIES

Information concerning activities in the various academic departments of the College is given in the section of the Annual Report entitled 'Work of the Faculties'. We shall mention here only a few matters of outstanding interest. Among these is the initiation of a Communication Research Centre. Some twelve departments of the College from all five faculties are engaging in this research.

A B.Sc. (Special) Degree in Biochemistry has been instituted for which facilities are available within the University at University College only. The scope of teaching in our Biochemistry Department therefore will be increased by the admission of students to Honours courses from October 1953, though their numbers will be severely restricted until the new block for Biological Sciences is built on the Gower Street frontage of the College.

One of the most interesting general developments in the College has been the lectures which have been organized by the Faculty of Arts outside its own departments. A series of faculty lectures delivered by teachers in other faculties has been open to all students, more particularly to first-year students. This experiment has been most successful. The lectures have been well attended and much appreciated, and undergraduates in the Faculty of Arts have gained much by listening to scientists, lawyers, and economists.

There were several changes in faculty appointments at the beginning of the session 1952–53; Professor R. A. Humphreys and Professor H. C. Darby succeeded Professor A. J. Ayer and Professor

G. J. Renier as Dean and Vice-Dean respectively of the Faculty of Arts; Professor Ernest Baldwin became Dean of the Faculty of Medical Sciences on the resignation of that office by Professor G. L. Brown; while the duties of Sub-Dean and Faculty Tutor were taken up by Dr R. E. Gibbs for Science and by Mr K. C. Richardson for Medical Sciences.

In the course of the year the following titles were conferred by the University on members of the Academic Staff; Reader in Physical Anthropology, Dr N. A. Barnicot; Reader in English, Dr G. J. Kane; Reader in Botany, Dr G. E. Fogg; Reader in Chemistry, Dr A. Maccoll; Reader in Mathematics, Dr C. A. Rogers; Reader in Anatomy, Dr J. T. Aitken. Dr E. M. Crook was appointed to an Established Readership in Biochemistry.

Among the principal changes in the academic staff given in Appendix V is recorded the retirement of Dr A. M. Bassani, who has been a valued member of the staff of the Department of Italian since 1925.

Mr D. O. Wood, whose resignation from the office of Senior Tutor and Sub-Dean of the Faculty of Science was recorded in the last issue of the Annual Report, has continued to serve students of the College in the capacity of Careers Adviser. This was a new and experimental appointment and Mr Wood has pursued a very useful investigation of the opportunities of employment, in particular for men Arts graduates and women graduates, and of the qualifications required. He has made contact with the personnel officers and staff managers of a number of representative business organizations; talks on careers have been arranged and students have been recommended to various firms for appointment.

THE LIBRARY

Two outstanding collections of books from private libraries have come to the College Library during the year. The negotiations for the purchase of an Icelandic library, referred to in last year's report, were brought to a successful conclusion, half the cost being met by generous gifts from benefactors. As a result of the acquisition of these books, mainly on the earlier language and literature of Iceland, from the library of Herra Snaebjörn Jonsson, of Reykjavik, the College now possesses an Icelandic library which can be rivalled in this country only by the Melsteð Library at Leeds and by the resources of the British Museum, and can congratulate itself on having re-established its Scandinavian library on its pre-war scale.

The Nuffield Foundation has purchased an important part of the

library of Mr C. K. Ogden and has generously deposited it in the Library for a period of at least ten years in order that it may serve as a basis for studies in the field of human communication which are being developed in the College. Not only is this library of inestimable value as a collection, but it contains among its 5,000 volumes a number of bibliographical rarities, and also includes over 1,000 packets of letters of Brougham which are of particular interest to the College in view of the part he played in the foundation of the London University.

The opening of the restored Physical Sciences library at the north end of the main building has provided shelf-space for 40,000 volumes and 99 seats for readers, thus alleviating further the congestion experienced since 1945 in Foster Court. The Librarian is still faced, however, with the urgent problem of seeking means to shelve and make accessible for use a considerable number of volumes which have of necessity remained piled in basements since the devastation of the main Library buildings during the war.

STUDENT HEALTH ASSOCIATION

The appointment of Mr E. K. Hyde as Dental Surgeon from 1 November 1952 marked an important development in the work of the Student Health Association, and the fullest possible use of the additional service is being made by members of the College. The appointment of a full-time Assistant Physician, Dr Arnold Linken, in September 1953, is yet another indication of the ever increasing activity of the Health Centre and the important part it is playing in the life of the whole College community.

OLD STUDENTS' ASSOCIATION

Mr F. E. Warner was re-elected President of the Association for the session 1952–53. Under his wise guidance, and active personal participation in all its activities, the Association had a very successful year. The attendance at the dinner-dance was such that the Upper Refectory was filled to capacity; following the success of the party given by the Association in 1952 to senior students of the College, another was held in 1953; and the annual cricket and tennis matches against the College were played at Shenley. The list of names and addresses of members of the Association was published and circulated in July 1953.

STUDENTS' RESIDENTIAL ACCOMMODATION

The acquisition of the lease of six houses, 5–10 Taviton Street,

has given to the College the prospect of its first large hostel for women students. The property, which is to be known as Campbell Hall, is designed to accommodate 105 students. Structural alterations, to provide adequate bathroom and kitchen accommodation, and complete redecoration are being carried out under the direction of Professor Corfiato. It is hoped that the hostel will be ready for occupation early in 1954. Miss Diana Lewton Brain, the Tutor to Women Students, has been appointed Warden, Dr Kathleen Law will be the Assistant Warden and Miss Alma Bruce, House Warden. College Rooms in Gower Street, which have housed about 40 women students each session since 1944, and which, under the supervision of Dr and Mrs Tancock in the first place and latterly of Miss Paynting, have been a deservedly popular place of residence, will have of necessity to close down when Campbell Hall is opened.

COLLEGE SITES AND BUILDINGS

Under the direction of Professor Richardson the construction of the North Junction has been completed and the two upper floors are now occupied by the Library and used as reading rooms. The new Men's Staff Common Room on the ground floor was brought into use in June 1953.

The South Junction should be completed and ready for occupation in the spring of 1954. The Provost's office will be on the ground floor, and the upper floors will house a Library reading room, the Mocatta Library, and the Gustave Tuck Theatre.

The first stage of the construction of the new Physics Building is nearing completion and is expected to be ready for occupation in October 1953.

An additional storey on the Chemistry Building, which will considerably increase laboratory and research facilities, is in course of erection and will be completed in two stages, the first in December 1953 and the second in July 1954.

Nos 17 and 18 Gordon Square will be modified to house the Department of Psychology, and it is hoped that the premises will be occupied early in 1954.

The construction of the first stage of the new Biological Sciences Block on the Gower Street frontage is expected to commence in the autumn of 1953.

A new building at the University Observatory at Mill Hill, to contain a library, lecture room and offices, was completed early in 1953.

The freehold properties, 100, 102 and 104 Gower Street, were

purchased during the year, and the lease of 11 Chester Terrace, Regent's Park, which is to be the Provost's Lodging, was acquired.

FRIENDS OF UNIVERSITY COLLEGE

Mention was made in our last Report of a plan to form an association of Friends of University College with a view to raising funds for the benefit of the College. At a meeting of some of those who had expressed interest in the project, held on 20 November 1952, the Association was set up, and a Council was elected to manage its affairs. The Council decided that it would be appropriate to consult legal and taxation advisers and to draw up a Trust Deed. Delay has been caused by these preliminaries but a revised constitution has now been drawn up which will enable the Association to be classified as a Charity.

FINANCE

The College was aware, as were all University institutions, that the University Grants Committee would be able to supply funds for the first year of the new quinquennium 1952–57 for the maintenance of existing activities only. In addition the College had to carry over a deficit of £22,000 from 1951–52, the last year of the previous quinquennium.

By the exercise of measures of economy the deficit has been eliminated during the year under review. This has only been possible with the curtailment of grants to the scientific departments for special apparatus and by the deferment of important needs for further academic and technical staff. The College was able, however, in the terms permitted by the University Grants Committee, to make some improvement in the salary position of lecturers on the lower grades of salary. The wage-scales of technicians were also improved in accordance with arrangements which are on an inter-university basis.

The progress which has already been noted in the development of the College sites and buildings is reflected in a capital expenditure of £307,517.

An important factor in our finance is the encouraging number of generous grants made by foundations, research councils, and industrial organizations, in support of research projects. A list of these is given in Appendix XII of this Report.

COHEN, *Chairman*, 1953–54

B. IFOR EVANS, *Provost*

REPORT OF THE PRESIDENT OF THE STUDENTS' UNION

It has been noticeable in this year 1952–53 that the student, while gaily accepting those facilities granted him, is inclined to forget the kind interest of those who make these facilities a reality. The crimes that are committed under the name of 'principle' are almost innumerable. At all times, and especially at difficult times, the Provost has shown deep concern for and interest in the Union. His decision this year to refuse permission to the Union to use the front quadrangle as a site for the 'usual' bonfire on the fifth of November was not taken without considerable and careful thought. That this is so is shown by the amount of time and energy spent by him and his staff in helping to find alternative accommodation for the bonfire on the South Bank. The Union is only too keenly aware of the trials which beset those in authority in situations such as this. Especially are we grateful for the fact that, on most questions of moment to the student, the Union is invited to send representatives to put the student point of view.

The main problem of the Union this year has been financial. Social functions have been successful on the whole and no great loss has been incurred in that field. The Central Athletics Board have done their usual best, despite the large sums of money required for the now wholly-owned Shenley. The welfare side of the Union has been keenly criticized and it must be admitted that this term 'welfare' does cover a multitude of sins and under its protection the growing student 'clamores simul horrendos ad sidera tollit'. Accommodation and all its attendant problems give rise to the most hair-raising of the clamours. The Union regrets with deep concern the very dim future it sees for the housing in worthy quarters of the students in the College. Hope still holds on to the belief that the solution will come. A second and allied groan concerns the state of the Refectory. This matter the student representatives have regularly put before the Refectory Committee, and the Union here holds faith in the promises made concerning the future of the Refectory and looks forward to the time when the cloisters are open in the main building and the Refectory located in the centre of the College Rectangle.

Thanks are due to many who have given freely of their time and ability to the Union and to the students generally. These cannot all be mentioned by name. However, special thanks are expressed to

our dear friend and counsellor Professor Terrey, President of C.A.B., who, although no longer our Senior Treasurer, is still with us in spirit as well as in body. Dr Constance M. Rigby, Dr E. A. Miskin and Mr R. C. FitzGerald we could not be without. Only those who have had to do with them and their labours for the Union can know their true value and this opportunity of thanking them is gratefully taken. We give thanks to all officers of the Union for their energies and we do not forget our Permanent Secretary, Miss Margaret Richards, who is as near to being indispensable as anyone can be.

The social activities have been as great a success as usual. The Music Society has produced some fine opera, musical concerts and recitals. They repeated their usual success at the Foundation Concert, and have supplied a number of well-known soloists for our entertainment. Their efforts are acknowledged with gratitude. The Dramatic Society has been successful to some extent but on the whole has not done as well as is expected by the financial department of the Union. This, it is felt, is due to the lack of continuity in the Society and it is hoped to gain the interest of a member of the staff to act as adviser. The Film Society is to be congratulated on its achievements this year. Two performances weekly during the session has been the regular thing, and there have been special features on suitable occasions. The Film Society has become an institution and will no doubt outdo itself year after year. The Debating Society has had some excellent debates at home and abroad and has made the 'Debating Chamber' show its unsuitability for the purpose. Affiliated Societies have flourished: in particular, the Country Dancing Club, which is regularly to be seen in the Rosa Morison Hut, and whose exhibition of dancing on the lawn at the Assembly of Faculties has become a regular and attractive feature. The Union has succeeded in its greater functions again this year, the Freshers' Conference, Foundation Oration, Freshers' Ball and the President's Dinner and Ball at the Royal Festival Hall. The Central Athletics Board has proved itself worthy of the large sums of money it consumes. Shenley is developing under the capable hands of Dr Miskin and Mr Mott, the groundsman. Our athletes have gained victories in the Foundation Games, the Commemoration Games, Hockey University Event (Men's), Boats University Event (Men's) and many more. The Women's Boat Club defeated representative teams from Bath, Oxford, and Cambridge.

Under the heading 'Welfare' come the external relations of the Union. Our relations with the N.U.S. seem still fairly sound and we have had our representatives at all the important events and councils

during the year. Our activities in these circles are the subject of much controversy, as it is felt by some that there should be some curtailment of our external activities. It is hoped to get this matter clearer in the coming year.

While the main problems have been material ones, there has been a small amount of intangibility about the so-called 'apathy' of the student body. It is most difficult to pass on to all the members—about three thousand—the importance to the success of the Union of their complete support and interest. It is here that the College Newspaper can show itself as the main artery of the organization, and keep alive the spirit of the community and its welfare which is the aim of the Union as constituted. The Union supplies the experience so necessary to the student for the time when he is released upon this rather brutal and unfeeling world. It is not, and, indeed, should not be, a trade Union. Nor is it a mere machine for obtaining the incidental benefits claimed by 'the student as such'. The aim is to make this Union an individual and not a pawn in the games of national and international chess. As such an individual its voice will be heard when necessary and heard with more attention the more successfully it becomes a unit flourishing on its own vitality. That it has the potentiality to do this is shown by its success in the past year. But we must look forward for changes and hope to achieve them in due course.

G. E. Morris
President, 1953–54

WORK OF THE FACULTIES

FACULTY OF ARTS

ANTHROPOLOGY

Field investigations were carried out in physical anthropology in Nigeria during the autumn term, continuing research on problems of response to hot climates, and an expedition to the Touareg territory in the Sahara was made to collect blood-grouping material with the assistance of a grant from the Wenner–Gren Foundation for Anthropological Research. Field research in social anthropology included a second expedition to the Lele of the Kasai District of the Belgian Congo, and field work among the Mambila in the British Cameroons. The latter also was assisted by a grant from the Wenner–Gren Foundation.

PUBLICATIONS

BARNICOT, N. A., LAWLER, SYLVIA D., A study of the Lewis, Kell, Lutheran and P blood group systems and the ABH secretion in West African negroes. *Amer. J. phys. Anthrop.*, 11, No. 1 (1953), 83–90.

Red hair in African negroes: a preliminary study. *Ann. Eugen., Lond.*, 17, Pt 3 (1953), 211–32.

FORDE, DARYLL, Applied anthropology in government: British Africa. *Anthropology Today: an encyclopedic inventory*, ed. A. L. Kroeber, 841–65. University of Chicago Press, 1953.

The cultural map of West Africa: successive adaptations to tropical forests and grasslands. *Trans. N.Y. Acad. Sci.*, 15 (1953), 206–19.

Anthropology in Great Britain and Eire. *International Directory of Anthropological Institutions*, ed. William L. Thomas, 163–80. New York: Wenner-Gren Foundation, 1953.

The Science of Man. *Progress*, 43, No. 237 (1952–3), 41–8.

(with A. R. Radcliffe-Brown and others) *Systèmes familiaux et matrimoniaux en Afrique*. Presses Universitaires de France, 1953. 528 pp.

ARCHAEOLOGY

PUBLICATION

ROBERTSON, MARTIN, The Hero with Two Swords. *Journal of the Warburg and Courtauld Institutes*, XV (1952), 99–100.

BARTLETT SCHOOL OF ARCHITECTURE

Four students have continued their studies for the M.A. Degree in

Architecture, and two students have been working for the Ph.D. Their research work has included such subjects as the design of hospitals in sub-tropical countries, schools in the London area, housing problems in Egypt, the design of public squares, and conditions of housing in Western and Central Africa.

During the Easter Vacation 1953 a Conference on Tropical Architecture was organized at the School. Professor H. O. Corfiato and Mr A. M. Foyle were members of the organizing committee. Over 200 people attended a series of lectures during the week of the Conference. The interest shown in the subject was such as to justify the intention to create in the department in the near future a post-graduate course in architecture for Colonial students and for Europeans who wish to practice in the Colonies.

Mr Warren Wilson has been working on some interesting stained glass windows for Clare College, Cambridge.

The School again took part in the Franco–British Competition between British and French schools of architecture, and two students, Mr P. P. Winter and Mr S. J. Clapham won the first and second prizes respectively.

PUBLICATIONS

CORFIATO, H. O., French influences in English architecture. *Builder, Lond.*, 184 (13 Feb. 1953), 277–8.
The J. A. Gabriel Bi-Centenary. *Ibid.*, 185 (10 July 1953), 51–3.

FOYLE, A. M., Henry Roberts, 1802–1876: A pioneer of housing for the labouring classes. *Builder, Lond.*, 184 (2 Jan. 1953), 5–8.
Some aspects of Nigerian architecture. *Man*, liii (Jan. 1953), 1–3.

EGYPTOLOGY

The sorting and rearrangement of the Flinders Petrie Collection has continued. The use of Mond cases, placed on the staircase leading to the Museum, has enabled more objects to be exhibited.

After the Centenary Exhibition it will be possible to unpack a few more of the four hundred cases remaining in store; but this will not appreciably alter the need for double the existing museum accommodation before all the collection can be unpacked. Labelling of objects on exhibition was brought up to date for the Centenary Exhibition, and a 32-page guide to this Exhibition was printed.

PUBLICATION

EMERY, W. B., Preliminary report on the excavations at Sakkara. *Illustrated London News*, 222, No. 5953 (1953), 839–44.

ENGLISH LANGUAGE AND LITERATURE

Research work in the department was continued in the following fields: English Place-Name survey; *Piers Plowman*—editions of the texts and linguistic studies; editions of Mediaeval and Tudor Drama, and of Shakespeare; a volume of the *Oxford History of English Literature* covering the Restoration period.

Mr J. M. Dodgson, who graduated last year and has this year been working for the Diploma in Archive Administration, has been appointed Secretary of the English Place-Name Society under Professor A. H. Smith.

PUBLICATIONS

HADDAKIN, LILIAN F., A note on Chapman and Two Medieval English Jurists, *Modern Language Review*, xlvii (Oct. 1952), 550–3.
Chapman's use of Origen's *Contra Celsum* in *The Tragedy of Caesar and Pompey*. *Notes and Queries*, 198 (Apr. 1953), 147–8.

JENKINS, H., Shakespeare's history plays. *Shakespeare Survey*, No. 6 (1953), 1–15.

QUIRK, C. R., Langland's use of *kind wit* and *inwit*. *Journal of English and Germanic Philology*, lii (Apr. 1953), 182–8.
(with Sherman M. Kuhn), Some recent interpretations of the Old English digraph spellings. *Language*, xxix (June 1953), 143–56.

QUIRK, C. R., FOOTE, P. G., Glossary to *Gunnlaugssaga Ormstungu*. London: Viking Society for Northern Research, 1953. 388–425.

SISSON, ROSEMARY A., William Perkins, apologist for the Elizabethan Church of England. *Modern Language Review*, xlvii (Oct. 1952), 495–502.

SMITH, A. H., Viking history in place-names. *Denmark* (Feb. 1953), 1–2, 10–11, 14; (Mar. 1953), 10–11, 14.

SPENCER, T., Milton, the first English Philhellene. *Modern Language Review* xlvii (Oct. 1952), 553–4.
Shakespeare learns the value of money: the dramatist at work on *Timon of Athens*. *Shakespeare Survey*, No. 6 (1953), 75–8.

SUTHERLAND, J. R., *The Oxford Book of English Talk*. Oxford: Clarendon Press, 1953. xix+453 pp.
Scott: the man and the artist. *University of Edinburgh Journal* (June 1953), 212–223.
The dialogue of the Waverley novels. *Ibid.* (June 1953), 223–34.

SLADE SCHOOL OF FINE ART

Of the 199 full-time students attending the School during the session, 153 were following the course leading to the University of London Diploma in Fine Art. Fifteen were spending a year in the School having gained the Diploma and the rest were following no set course. British Council Scholars came from Canada and Chile, while there

were also in the School students from Australia, Belgium, Cyprus, Egypt, Ethiopia, Germany, Hong Kong, New Zealand, Pakistan, Portugal, South Africa, Southern Rhodesia, Uganda, the United States, and Venezuela.

At the annual entrance examination held in January, 276 candidates competed for places in October 1953. Fifty-seven candidates have been accepted for admission.

During the session the following artists have taught periodically in the School: Mr Edward Ardizzone, Mr Rodney Burn, Mr Maurice Feild, Mr L. S. Lowry, Mr Patrick Heron, Mr Henry Moore, Mr Victor Pasmore, Mr John Piper, Mr Graham Sutherland, and Mr Keith Vaughan.

In addition to giving his normal course of lectures in the History of Art, Professor Wittkower also gave a course of lectures on the History of Portrait Painting to first year students of the Department of History and of the Slade School. During the first and second terms of the session Professor Wittkower held a seminar on 'Symbolism in Art'.

The teaching of Stage Design has been widened in scope and very much helped by the installation during the autumn term of a model theatre with full lighting equipment. Mr Robert Medley's teaching in this subject was supplemented during the session by visits and lectures from Mr Neville Coghill, Mr Tyrone Guthrie, Mr Walter Hodges, and Mr John Moodie.

In the rebuilding of the North Junction space was found for a room which has been designed for the work on Lithography. This room was opened in January 1953 and is equipped with one Double Crown Proving Press and three other presses. The teaching of Lithography has been undertaken by Mr Lynton Lamb and Mr F. Ormrod.

PUBLICATIONS

WITTKOWER, RUDOLF, *Architectural Principles in the Age of Humanism* (2nd rev. ed.). London: Tiranti, 1952. 144 pp.

The Drawings of the Carracci in the Collection of Her Majesty The Queen at Windsor Castle. London: The Phaidon Press, 1952. 176 pp.

The History of the York Assembly Rooms. Compiled for and on behalf of the York Corporation. York and London: 1952. 22 pp.

Bernini Studies, II: The bust of Mr Baker. *Burlington Magazine*, XCV, Nos. 598, 601 (1953), 19–22, 139–41.

Inigo Jones, architect and man of letters. *Journal of the R.I.B.A.*, 60, No. 3 (1953), 83–90.

FRENCH

Members of the department, both staff and postgraduate students, continue to be active in research on a great variety of topics. The subjects dealt with can mostly be grouped under three headings: mediaeval prose, Renaissance literature, and the literature of the late nineteenth and early twentieth centuries.

Two weekend conferences have been held at Cumberland Lodge, one in October for new Honours students and the other in May. The latter was a joint conference with the German Department at which some of the problems involved in studying languages and literatures were explored very profitably. The conference will certainly result in closer collaboration between the two departments.

Although it has no official connection with the College, a new quarterly journal, *Montjoie*, is largely the work of past and present members of the department. It seeks to interpret French culture to the intelligent British reader, and deals more particularly with literary and educational questions.

Dr D. P. Walker has been awarded the Senior Research Fellowship of the Warburg Institute.

PUBLICATIONS

BURNS, C. A., Henri Céard and his relations with Flaubert and Zola. *French Studies*, vi (1952), 308–24.

KING, C. D., E. Dujardin, inner monologue and the stream of consciousness. *French Studies*, vii (1953), 116–27.

TANCOCK, L. W., The eighteenth century. *The Year's Work in Modern Language Studies*, xiii (1952), 47–59.

WOLEDGE, B., Medieval literature. *The Year's Work in Modern Language Studies*, xiii (1952), 28–35.

Reviews of the following:

The Continuations of the Old French Perceval of Chrétien de Troyes. I. *The First Continuation. Redaction of MSS. TVD.*, ed. William Roach. *Modern Language Review*, xlvii (1952), 395–7.

La Chanson de Guillaume, ed. D. McMillan. *Ibid.*, xlvii (1952), 588–91.

Studies in French Language, Literature and History, Presented to R. L. G. Ritchie. Archivum Linguisticum, iv (1952), 85–7.

Le Lai d'Aristote, ed. M. Delbouille. *Medium Ævum*, xxi (1952), 78–80.

GEOGRAPHY

Progress has continued on two large research projects centred in the department, namely, the Land Utilization Survey of the Chilterns, and the Domesday Geography of England.

BROWN, E. H., The River Ystwyth, Cardiganshire: a geomorphological analysis. *Proc. Geol. Ass., Lond.*, 63 (1952), 244–69.

DARBY, H. C., *The Domesday Geography of Eastern England.* Cambridge University Press, 1952. 400 pp.
Man and the landscape in England. *J. Tn. Plann. Inst., Lond.*, 39 (1953), 74–80.

MEAD, W. R., *Farming in Finland.* London: Athlone Press, 1953. 248 pp.
Kalevala englannissa. *Kalevalaseuran Vuosikirja* (Helsinki), 33 (1953), 119–31.
The farmer's year: a geographical record of seasonal activity. *Indian Geographical Society's Silver Jubilee Volume* (Madras, 1952), 97–100.
The English correspondence of P. Christian Asbjørnsen. *The Norseman*, 10 (1952), 63–70.
Finlandska församlingen i London. *Finsk Tidskrift* (Åbo), 152, Pt 3 (1953), 104–13.

PATTISON, W. D., *Plat Book of Pulaski County, Indiana.* Winimac, Indiana: Gorrell and Son, 1953. 14 pp.

SMAILES, A. E., *The Geography of Towns.* London: Hutchinson's University Library, 1953. 166 pp.

GERMAN

PUBLICATIONS

FORSTER, L. W., *German Tales of our Time*, selected and edited. London: Harrap, 1953. 144 pp.

WEIL, H. H., The conception of the adventurer in German baroque literature. *German Life and Letters*, vi, No. 4 (1953), 285–91.

WELLS, G. A., Herder's and Coleridge's evaluation of the historical approach. *Modern Language Review*, xlviii (Apr. 1953), 167–75.

WILKINSON, ELIZABETH M., The poet as thinker: on the varying modes of Goethe's thought. *German Studies presented to Leonard Ashley Willoughby*, 1953, 217–42.
Goethe's conception of form. *Proceedings of the British Academy* (Annual Lecture on a Master Mind, 11 July 1951—Henriette Hertz Trust), 1953, 175–97.

GREEK

The seminar on Greek Language and Thought has continued during the session. Mr A. Seeberg (Oslo) and Mr H. Thesleff (Helsinki) have been working in the department. The department has been visited by Professor Karl Reinhardt (Frankfurt/Main), Professor Albin Lesky (Vienna), and Professor Gudmund Björck (Uppsala). Professor T. B. L. Webster has been elected Vice-President of the Hellenic Society on retiring from the Presidency. Professor E. G. Turner has been appointed Joint Editor, Greco-Roman Memoirs of the Egypt Exploration Society; Mr P. Walcot has been awarded a

Yale English Speaking Union Fellowship. Two staff-student weekends have been held at Cumberland Lodge.

PUBLICATIONS

BROWNING, R., Riot of A.D. 387 at Antioch. *Journal of Roman Studies*, 42 (1952), 13.
Where was Attila's camp? *Journal of Hellenic Studies*, 73 (1953), 143–5.

HANDLEY, E. W., *XOPOY* in the *Plutus*. *Classical Quarterly*, new series, 3 (1953), 55–61.

TURNER, E. G., Roman Oxyrhynchus. *Journal of Egyptian Archaeology*, 38 (1952), 78–93.
Oxyrhynchus and its papyri. *Greece and Rome*, 21 (1952), 127–37.
SB 5174, 5175: some corrections. *Journal of Egyptian Archaeology*, 38 (1952), 133.
Frederick George Kenyon. *Gnomon* (1952), 527–8.

WEBSTER, T. B. L., *Studies in Later Greek Comedy*. Manchester University Press, 1953. 261 pp.
Language and thought in Early Greece. *Memoirs and Proceedings of the Manchester Literary and Philosophical Society*, 94 (1953), 1–22.

HEBREW

In connection with the usual postgraduate seminars on Mediaeval Jewish Philosophy, six special lectures on Problems of Modern Jewish Philosophy were given by Dr Heller. Intercollegiate arrangements with Bedford and Jews' College and the School of Oriental Studies were continued, and interest has been maintained in the optional courses provided for students of other departments and faculties. A Ph.D. thesis on Leo da Modena, an Italian Renaissance scholar, was successfully completed by Mr S. Simonsohn of the Jerusalem University. He is now following up his studies by investigating important manuscripts in the Archives of the Jewish Community of Mantua.

Dr Stein has become a member of the Editorial Board of the *Journal for Jewish Studies*.

PUBLICATIONS

HELLER, E. J., Nachman Krochmal and the philosophy of his time (in Hebrew). *Bitzaron*, xxvii (Mar. 1953), 266–76.

STEIN, S., The laws on interest in the Bible. *Journal of Theological Studies*, new series, iv, Pt 2 (1953), 161–70.
Review of T. H. Gaster, *Thespis. Ritual, Myth and Drama in the Ancient Near East. Palestine Exploration Quarterly* (May–Oct. 1953), 121–27.

WIESENBERG, E., The constellations Taurus and Scorpion in Rabbinic literature (Pt I in Hebrew). *Talpiyoth*, iv (1953), 157–73.

HISTORY

Direction of research continues to be a notable side of the department's work. In addition to the considerable number of British postgraduate students in the various research seminars, there were nineteen overseas students from the following countries: Australia, Belgium, Canada, France, Israel, the United States. The number of postgraduate scholarships awarded to students in the department has been striking: six London, one Oxford and one Rotary Research Scholarship, while the Rome Scholarship in Mediaeval Studies has been awarded to a student graduating this year. A group of College students, under the auspices of the Ancient History section of the department, has been excavating a Roman villa in Essex.

PUBLICATIONS

BARROW, G. W. S., Scottish Rulers and the Religious Orders, 1070–1153 (The Alexander Prize Essay). *Transactions of the Royal Historical Society*, 5th series, iii (1953), 77–100.
Dr. Stuart and the "Gilleserfs" of Clackmannan. *Scottish Gaelic Studies*, vii, Pt 2 (1953), 193–5.

BELLOT, H. H., Section on the United States of America. *Annual Bulletin of Historical Literature*, xxvii, 38–42. Historical Association, 1952.

COBBAN, A. B. C., Administrative pressure in the election of the French Constituent Assembly, April, 1848. *Bulletin of the Institute of Historical Research*, xxv (1952), 133–59.
Carlyle's French Revolution. *Montjoie*, i (1953), 16–23.
Review of J. M. Thompson, *Napoleon. English Historical Review*, lxvii (1952), 415–17.

HUMPHREYS, R. A., The Fall of the Spanish American Empire. *History*, xxxvii (1952), 213–27.
Section on Latin America. *Annual Bulletin of Historical Literature*, xxxvii, 43–4. Historical Association, 1952.
Monarchy and Empire [in Brazil]. *Portugal and Brazil. An Introduction*, ed. H. V. Livermore and W. J. Entwistle, 301–20. Oxford: Clarendon Press, 1953.

HURSTFIELD, J., *The Control of Raw Materials*. London: H.M.S.O. and Longmans, 1953. (A volume in the Official History of the Second World War.) xi+530 pp.
Corruption and reform under Edward VI and Mary. *English Historical Review*, lxviii (1953), 22–36.

MOMIGLIANO, A. D., G. C. Lewis, Niebuhr e la critica delle fonti. *Rivista Storica Italiana*, lxxiv (1952), 208–21.
Reviews of the following:
W. H. Walsh, *An Introduction to Philosophy of History*. *Ibid.*, lxxiv (1952), 423–4.
H. T. Wade-Gery, *The Poet of the Iliad*. *Ibid.*, lxxiv (1952), 608–11.

MORRIS, J. R., Early Christian Orthodoxy. *Past and Present*, No. 3 (Feb. 1953), 1–14.

NEALE, J. E., *Elizabeth I and Her Parliaments, 1559–1581*. London: Jonathan Cape, 1953. 434 pp.
Parliament and the Articles of Religion, 1571. *English Historical Review*, lxvii (1952), 510–21.
The Accession of Queen Elizabeth I. *History Today*, iii (May 1953), 293–300.

TAYLOR, A. J., Combination in the mid-nineteenth century coal industry. *Transactions of the Royal Historical Society*, 5th series, iii (1953), 23–39.

ITALIAN

PUBLICATIONS

WEISS, R., Lo studio del greco all'abbazia di San Dionigi durante il medioevo. *Rivista di storia della Chiesa in Italia*, vi (1952), 426–38.
Per la storia degli studi greci del Petrarca: Il *Triglossos*. *Annali della Scuola Normale Superiore di Pisa*, xxi (1952), 252–64.
The Greek culture of South Italy in the Later Middle Ages. *Proceedings of the British Academy*, xxxvii (1953), 23–50.
Savonarola and the Renaissance. *Blackfriars*, xxxiv (1953), 317–28.

LATIN

PUBLICATIONS

SKUTSCH, O., *The Annals of Quintus Ennius*. Inaugural Lecture, University College, London. H. K. Lewis, 1953. 19 pp.
Emendationum trias Propertiana. *Mnemosyne*, 5, series iv (1952), 232–5.
Noctu. *Glotta*, 32 (1953), 307–10.

WILLIS, J. A., The letters M and G in the manuscripts of Remigius of Auxerre. *Athenaeum*, new series, 30 (1952), 196–7.
Annotationes in Johannem. *Classica et Mediaevalia*, 14 (1953), 233–6.

SCHOOL OF LIBRARIANSHIP AND ARCHIVES

A special series of eleven lectures for practising librarians under the general title of 'An Inquiry into Cataloguing Principles and Practice' was given in the week 23–27 March 1953. The series was organized by Miss Mary Piggott, and the lectures were contributed by experts in various aspects of library cataloguing. It is hoped to publish a full report of the Inquiry in due course.

PUBLICATIONS

FRANCIS, F. C., Obituary of Sir Frederic Kenyon. *The Museums Journal*, 52 (Jan. 1953), 254–6.
The Sloane Collection of Printed Books. *The British Museum Quarterly*, xviii (Mar. 1953), 4–5.
Topical problems in the field of scientific libraries. *Actes du Comité International des Bibliothèques*, 18ième session (La Haye, 1953), 32–5.

Review of *Hamlet. First Quarto, 1603.* (*Shakespeare Quarto Facsimiles*, No. 7). *Modern Language Review*, xlvii (Oct. 1952), 572–3.

PAFFORD, J. H. P., John Britton: a bibliographical note. *Wiltshire Archaeological Magazine*, 54 (Dec. 1952), 441.
The spas and mineral springs of Wiltshire. *Ibid.*, 55 (June 1953), 1–29.

STAVELEY, R. (Editor), *Government Information and the Research Worker: lectures delivered at a vacation course of the University of London School of Librarianship and Archives in April 1951.* London: The Library Association, 1952. 228 pp.

VOLLANS, R. F., *Library Co-operation in Great Britain: Report of a Survey of the National Central Library and the Regional Library Bureaux.* London: National Central Library, 1952. xii+139 pp.
Focus on library co-operation. *Library Association Record*, 55 (May 1953), 152–7.

LIBRARY

PUBLICATION

WILKS, JOHN, *The Influence of R. W. Chambers on the Development of University Libraries.* The 2nd Chambers Memorial Lecture, University College London. H. K. Lewis, 1953. 17 pp.

PHILOLOGY

PUBLICATIONS

SZEMERÉNYI, O., The Indo–European Mediae Aspiratae in Latin and Italic. *Arch. Lingu.*, 4 (1952–3), 27–53, 99–116.
Caravan (Iranian etymology of), in F. Altheim, *Niedergang der Alten Welt*, 1 (1952), 336.

PHILOSOPHY

PUBLICATIONS

AYER, A. J., *Språk, Sanning, Logik* (translation). Stockholm: Almquist and Wiksell, 1953. 175 pp.
Individuals. *Mind*, lxi, 244 (1952), 441–57.
Negation. *Journal of Philosophy*, xlix, 26 (1952), 797–815.
La philosophie britannique contemporaine. *Revue de l'Université de Bruxelles* (Oct.–Dec. 1952), 27–47.
The identity of indiscernibles. *Proceedings of the XIth International Congress of Philosophy*, 3 (1953), 124–9.
To see the world rightly. *The Twentieth Century*, cliv, No. 919 (1953), 202–8.
Truth. *Revue Internationale de Philosophie*, No. 25 (1953), 1–18.
One's knowledge of other minds. *Theoria*, xix, Pt 2 (1953), 1–20.
L'immutabilité du passé. *Les Etudes Philosophiques*, No. 1 (1953), 7–15.

LONG, P., Natural laws and so-called accidental general statements. *Analysis*, xiii, No. 1 (1952), 18–23.

WATLING, J. L. (with R. R. Brown), A reply to some criticism of phenomenalism. *Synthèse* (Sept. 1952).
A sum of an infinite series. *Analysis*, xiii, No. 2 (1953), 39–46.

WOLLHEIM, R. A., Discussion: Hampshire's analogy. *Mind*, lxi, 244 (1952), 567–73.

PHONETICS

The vacation course in English Phonetics was held in the summer of 1953 for the first time since 1939, and attracted a large number of students from the Continent and elsewhere.

Dr D. B. Fry and Mr P. Denes spent the summer months of 1953 at the Haskins Laboratories, New York, where they were engaged in experimental work on speech communication.

PUBLICATIONS

DENES, P. (with R. F. Naunton) Masking in pure-tone audiometry. *Proc. R. Soc. Med.*, 45 (1952), 790–4.

FRY, D. B., Hearing aids. *Diseases of the Throat, Nose and Ear*, ed. by F. W. Watkyn-Thomas, 498–517. London: H. K. Lewis, 1953.
(with F. W. Watkyn-Thomas) The examination of hearing. *Ibid.*, 518–60.

FRY, D. B., DENES, P., Mechanical speech recognition. *Communication Theory*, ed. by Willis Jackson, 426–32. London: Butterworth & Co., 1953.

O'CONNOR, J. D., RP and the reinforcing glottal stop. *English Studies*, xxxiii, 5 (1952), 214–18.

PRING, J. T., *A Grammar of Modern Greek on a Phonetic Basis* (2nd ed.). University of London Press, 1952. 127 pp.
Specimen of a Macedonian dialect of Greek, with notes. *Le Maître Phonétique*, iii, No. 99 (1953), 45–6.
Review of G. Blanken, *Les Grecs de Cargèse* (*Corse*), *tome I: Partie Linguistique*. *Archivum Linguisticum*, iv, 2 (1952), 173–5.

TRIM, J. L. M., Some suggestions for the phonetic notation of sounds in defective speech. *Speech*, xvii, 1 (1953), 21–4.

POLITICAL ECONOMY

The research into the Location of Industry, for which the Department received a grant from the Board of Trade, has now been completed. The final report, *Costs in Alternative Locations: the Radio and Television Industry*, by Mr D. C. Hague and Mr J. H. Dunning, has been submitted to the Board of Trade.

Professor Allen has continued to serve on the Monopolies and Restrictive Practices Commission, on the Central Price Regulation Committee (until its work came to an end in April 1953), and on the Executive Committee of the National Institute of Economic and Social Research.

A grant of £10,900 has been made by the Board of Trade under the Conditional Aid Scheme, for the period September 1953 to September 1956, for research on the relation of monopoly and competition to innovation and free industry to be carried out under the direction of Professor G. C. Allen.

PUBLICATIONS

ALLEN, G. C., Review of J. K. Galbraith, *A Theory of Price Control. Economic Journal*, lxiii, No. 250 (1953), 402–4.

BOWLEY, MARIAN E. A., Housing and the census. *Manchester Guardian* (25, 26 Nov. 1952), 4.

CORLETT, W. J., NEWMAN, P. K., A note on revealed preference and the transitivity condition. *The Review of Economic Studies*, xx (2) (1952–3), 156–8.

HAGUE, D. C., How the Budget is built. *Westminster Bank Review* (Feb. 1953), 5–9.

The radio industry in development areas. *J. Brit. Instn Radio Engrs*, 13 (Apr. 1953), 192–3.

LANNER, J., British monetary policy, 1946–52. *Weltwirtschaftliches Archiv*, 71, Pt 1 (1953), 90–111.

SCANDINAVIAN STUDIES

Students are now able to qualify for a Certificate of Proficiency in Scandinavian Studies recently instituted by the College.

Mr P. G. Foote has prepared a critical edition of the *Gunnlaugs Saga Ormstungu* which, with the translation made by Dr C. R. Quirk of the English Department, will appear as the first volume in Nelson's series of Early Icelandic Classics. It is now in course of publication.

Eighty-five students—sixty-nine occasional students and sixteen degree students from this department and others—have followed courses during the session.

PUBLICATIONS

FOOTE, P. G., Introduction and notes in *Gunnlaugssaga Ormstungu*. London: Viking Society for Northern Research, 1953. xi–xv, 371–87.

Translation of A. H. Winsnes, *Sigrid Undset*. London and New York: Sheed and Ward, 1953. 258 pp.

TOWN PLANNING

The Social Research Unit of the department, under the direction of Mrs Ruth Glass, has carried out an inquiry into the case histories of selected planning organizations, including a New Town, large and small County Councils, and a London Borough. Some of the results

have been published in article form and the full reports are in draft. Students taking the Diploma Course carried out a survey of Deptford, with the assistance of the Architect's Department of the London County Council and the officers of the Borough, and made development proposals. These were discussed at a public meeting at the Housing Centre in April, and at a town's meeting at Deptford in May. The drawings and model are now on loan to educational and voluntary organizations in the Borough.

PUBLICATIONS

HOLFORD, W. G., High Paddington: an adventure in architecture. *The Listener*, 49 (12 Feb. 1953), 257–9.
Recent American architecture. *Ibid.*, 49 (7 May 1953), 768.
(with Thomas Sharp and F. Gibberd) *Design in Town and Village*. London: H.M.S.O., 1953. 71–120.

FACULTY OF LAWS

During the current session postgraduate research work has continued to become an increasingly important aspect of the teaching work carried on in the Faculty of Laws. Most of the postgraduate work is done in the field of International Law, with special emphasis on the new branches developed at University College, that is to say, International Economic Law, Sociology of International Law, and International and Comparative Air Law. It is a significant fact that during the current session fourteen nationalities have been represented in the Ph.D. seminar on International Law. It is also encouraging that the number of postgraduate students in English Law subjects is steadily growing.

The latest addition to the new branches of International Law developed at University College is that of International and Comparative Air Law. This expansion in the teaching work has found an immediate response both from postgraduate students and from the various official and unofficial quarters interested in this development, as the College is the only place in the United Kingdom where instruction in this subject is given. It is hoped from next session onwards to extend the work in this field also to the undergraduate level.

During the session Mr R. Powell was awarded the degree in D.C.L. by the University of Oxford for his work on Agency of English Law.

FITZGERALD, R. C., The State and Title to Land. *Current Legal Problems*, 6 (1953), 104–32.

HOLLAND, D. C., Joint Tenants. *The Solicitor*, 19 (1952), 219–21.
Vicarious Liability in Criminal Law. *Ibid.*, 20 (1953), 11–12, 17.
Constitutional Experiments in British West Africa. *Current Legal Problems*, 6 (1953), 62–82.

IVAMY, E. R. H., Contracts for the Repair of Goods. *The Solicitor*, 19 (1952), 223, 225–6.
The Investigation of Alleged Monopolies. *Ibid.*, 19 (1952), 243–5.
Estate Agents' Commission during 1952. *Ibid.*, 19 (1952), 273–4, 279.
Penalty Clauses in Hire Purchase Agreements. *Ibid.*, 20 (1953), 7, 9, 11.
The Legal Background of the Motion Picture Industry. *Ibid.*, 20 (1953), 35, 37–8.
The Carriage of Dangerous Goods by Sea. *Ibid.*, 20 (1953), 59, 61, 63.
The Meaning of 'Merchantable Quality' in Sect. 14 of the Sale of Goods Act, 1893. *Ibid.*, 20 (1953), 87, 89–90, 95.
Dispositions by Sellers in Possession of Goods after Sale. *Ibid.*, 20 (1953), 108–11.
Marine Insurance in the War Zones. *Ibid.*, 20 (1953), 151–2, 154.
Review of Bowstead, *Digest of the Law of Agency*. *Journal of Society of Public Teachers of Law*, new series, ii (1952), 54–5.
Copyright Law Revision, *Current Legal Problems*, 6 (1953), 196–216.
The Settlement of Disputes by Arbitration. *The Solicitor*, 20 (1953), 161–5.
The Probes by the Monopolies Commission. *Ibid.*, 20 (1953), 190–1, 193.
Ordering a Vessel to an Unsafe Berth. *Ibid.*, 20 (1953), 215, 217, 219.

KEETON, G. W., *The Passing of Parliament*. London: Ernest Benn Ltd, 1952. 208 pp.
The Constitutional Crisis in South Africa. *Current Legal Problems*, 6 (1953), 22–39.
Trustee Investments and the National Investment Policy. *The Accountant*, 128 (1953), 390–3.
The Rule of Law and International Society, I and II. *The Owl* (May 1952), 16–24; (Nov. 1952), 32–9.

LLOYD, D., *Public Policy: A Comparative Study in English and French Law*. London: Athlone Press, 1953. 175 pp.
Representative Action for Negligence against Unincorporated Club (Campbell *v.* Thompson). *Modern Law Review*, 16 (1953), 359–63.

MARSHALL, O. R., The Failure of the Astor Trust. *Current Legal Problems*, 6 (1953), 151–76.

O'SULLIVAN, R., *Gatley on Libel and Slander* (4th ed.). London: Sweet & Maxwell, 1953. cxxvi+898 pp.
The Defamation Act, 1952. London: Stevens & Sons, 1953. ix+50 pp.

PAYNE, D. J., The Tort of Negligence. *Current Legal Problems*, 6 (1953), 236–54.

PREVEZER, S., Peacetime Espionage and the Law. *Current Legal Problems*, 6 (1953), 82–104.
Master and Servant—Criminal Liability (Gardner *v.* Akeroyd). *Modern Law Review*, 16 (1953), 236–40.

SCAMELL, E., Development of Land under the Planning Acts. *Current Legal Problems*, 6 (1953), 132–50.
The Legal Effect of Development Plans. *The Solicitor*, 20 (1953), 56–7.

INTERNATIONAL LAW AND RELATIONS

CHENG, B., *General Principles of Law as Applied by International Courts and Tribunals*. London: Stevens & Sons, 1953. lii+438 pp.
Report on World Affairs: Institutional Aspects. *The Year Book of World Affairs*, 7 (1953), 413–7.

GREEN, L. C., The Legality of 'Jim Crow' Regulations. *Indian Law Review*, 5 (1951), 46–55.
The Schuman Plan. *Transactions of the Grotius Society*, 37 (1951), 13–5.
The Anglo-Norwegian Fisheries Case. *Modern Law Review*, 15 (1952), 373–7.
Recent Practice in the Law of Extradition. *Current Legal Problems*, 6 (1953), 274–96.
(with J. Frankel) Reports on World Affairs: Sociological Aspects. *The Year Book of World Affairs*, 7 (1953), 308–27.

SCHWARZENBERGER, G., Scope and Limits of International Legislation. *Mélange en l'honneur du Professor Rudolf Laun* (1953), 65–72.
The Bonn and Paris Agreements. *Current Legal Problems*, 6 (1953), 297–314.
Reports on World Affairs: Legal Aspects. *The Year Book of World Affairs*, 7 (1953), 379–404.

STRANGE, SUSAN, The Atlantic Idea. *The Year Book of World Affairs*, 7 (1953), 1–19.

JURISPRUDENCE

WILLIAMS, GLANVILLE L., Common Law Misdemeanours. *Law Quarterly Review*, 68 (1952), 500–6.
Interests and Clogs. *Canadian Bar Review*, 30 (1952), 1004–16.
The Defence of Necessity. *Current Legal Problems*, 6 (1953), 216–36.
Secondary Parties to Non-existent Crime. *The Solicitor*, 20 (1953), 95–6.
(with C. J. Hamson and others) The Reform of the Law of Contract. *Law Reform and Law Making* (1953), 55–64.

COMPARATIVE LAW AND ROMAN LAW

POWELL, R., Marriage Brocage Agreements. *Current Legal Problems*, 6 (1953), 254–74.

LATHAM, VALENTINE, The Creation and Administration of a Trust in the Conflict of Laws. *Current Legal Problems*, 6 (1953), 176–96.

FACULTY OF SCIENCE

ASTRONOMY

Undergraduate courses in Astronomy for Internal Students reading for the B.Sc. (Special) Degree were started in 1952–53 after an interval of many years. A research student has been studying the problem of colour-magnitude arrays in star clusters. A beginning

has been made on a study of laboratory spectroscopic problems related to astrophysics, but for the present this work has to be carried out at Imperial College where suitable spectrographic equipment is available.

PUBLICATIONS

ALLEN, C. W., *The Framework of Astronomy*. Inaugural lecture, University College London. H. K. Lewis, 1952. 17 pp.
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BOTANY

Continued progress is being made in developing the programme of research at the Nuffield Botanic Garden, near Regent's Park. This includes the repair and replacement of some of the glasshouses, the establishment of beds of different soil types and the collection of the necessary species and races of plants required for further work. A grant has also been received from the Nuffield Foundation towards the maintenance of the work on fat metabolism of algae in the unit of algal physiology. The cost of this work dealing with the isolation of new races of algae for cultural work is financed by the Agricultural Research Council. Good progress is being made with the work on plant proteins.

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CHEMISTRY

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EUGENICS, BIOMETRY, AND GENETICS

In addition to genetics, some practical and computational work has been begun on animal behaviour, a subject in which statistical analysis has so far been backward, and where it therefore yields quick returns. The studies have mainly been directed to the behaviour of animals under conditions as 'natural' as possible.

Dr H. Grüneberg has continued his studies on the developmental genetics of the mouse skeleton. Dr Helen Spurway has discovered a case of spontaneous parthenogenesis in a fish species, and has reared

some of its products to maturity. Dr A. G. Searle has studied the influence of maternal physiology on the development of skeletal variations in the mouse, and Dr Gillian M. Truslove has continued her investigations into the development of disorders of the labyrinth in the same animal. Dr Thea Koske, of the University of Vienna, has been studying the cytology of *Drosophila* and of newts. Mr J. M. Smith has obtained new data on the vigour of hybrid animals comparable with those previously known in plants.

THE GALTON LABORATORY.—The main work of the laboratory is scientific enquiry into the phenomena of human genetics. The study of the interaction of hereditary and environmental effects on developmental abnormalities forms part of this activity; it has been pursued by investigating quantitative characters such as birth weight and dermal ridge count. Human traits which segregate are also studied intensively from the same point of view. Much work has been done on aminoacidurias (e.g. excretion of cystine, lysine and β-aminoisobutyric acid) and also on tritanopia (a rare kind of colour blindness). The precise modes of inheritance of these characters are being determined. Immunological methods are used to detect genes which could serve as markers for other characters with which they are genetically closely linked. The mathematical techniques of statistical analysis of linkage problems have been further improved. As a result of recent work in the laboratory the prospects of mapping human autosomal genes are gradually becoming more promising. At the same time cytological examinations of human chromosomes are continuing.

An essential feature in carrying out these researches is the co-operation which has been obtained not only from other departments of the College but also from members of outside organizations, medical practitioners and others, sometimes situated in distant parts of the country.

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GEOLOGY

Research was continued in the varied fields mentioned in last year's report. In addition, studies on phosphate deposits of North Africa and microfauna of the Kimmeridge Clay were begun.

Mr R. Bradshaw gave a special course in petrological technique in the department to a class of technical officers at the request of the National Coal Board.

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PHYSICS

The research programme has been further developed and expanded during the session. In November possible high altitude cosmic ray research stations were visited in Switzerland and Italy. As a result of this visit it was decided to take advantage of the hospitality offered by the Physics Department of the University of Padua in their research station at Mount Marmolada in the Dolomites. A joint programme of research at this station has been initiated in

collaboration with Dr G. R. Evans, then at University College, Aberystwyth, and now of the University of Edinburgh. One high pressure cloud chamber is now operating on the mountain site and has already yielded interesting results. Proposals are in train for sending out a second chamber associated with a high magnetic field. The Department of Scientific and Industrial Research and the Central London Research Fund have made grants to assist this work.

Collaboration with the Atomic Energy Research Establishment at Harwell has been greatly extended. During June 1953 the deuterium filled high pressure cloud chamber was operated continuously in connection with the high energy proton source available from the Harwell synchrocyclotron. Many photographs were taken and are now being analysed to obtain information about nuclear forces. The department is to collaborate with Harwell in research directed towards the development of a high energy proton linear accelerator, with the aim of providing a more intense source of mesons than are available elsewhere.

Progress is also being made in the precision experiments on electron scattering by nuclei.

Interesting results have been obtained from the research work in ionic physics, and a most useful conference on this side of the work was held in the department in April 1953, with the support of the Warren Committee of the Royal Society.

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PSYCHOLOGY

Several research projects were initiated during the session, some of which are supported by grants from outside bodies. The Nuffield Foundation has provided funds for research on the physical and psychological effects of premature birth. The research is being supervised jointly by University College Hospital and this department.

The National Coal Board has given a grant for research on psychological aspects of accidents. The Medical Research Council has provided funds for the appointment of a research assistant who is responsible for initiating animal research into the influence of dietary factors on behaviour under stress.

An advanced course concerned with problems of interest to students of both Anthropology and Psychology was introduced under the joint direction of Mr H. A. Powell of the Anthropology Department and Dr Cecily de Monchaux of the Psychology Department. The success of this experiment in collaborative teaching between the two departments encourages further planning of this general kind.

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(with D. B. Prell) A note on the differentiation of normal and neurotic children by means of objective tests. *J. clin. Psychol.*, 8 (1952), 202–4.

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STATISTICS

The research work in the department has been largely concerned with various investigations into the mathematical theory of sampling. Particular attention has also been given to some long unsolved problems regarding univariate and bivariate frequency distributions. Use has again been made of the Hollerith equipment at the London School of Economics to explore by artificial random sampling a number of mathematical research problems in hand in the department. The programme of extending the body of tables of statistical functions useful in practical statistical analysis has been continued.

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RUDRA, A., Discrimination in time-series analysis. *Biometrika*, 39 (1952), 434–9.

ZOOLOGY

A wide variety of research is being prosecuted in the department. The completion of the new animal rooms has allowed the rapid development of studies in transplantation immunity. A technique which makes it possible to transplant tissues between unrelated adult organisms has now been mastered, and a detailed study is being made of the nature of both actively and passively acquired immunity. An analysis of the relationship between transplantation immunity and adrenal cortical activity has been started. In cognate experimental fields, the transplantation of mammalian eggs, and of germinal primordia between amphibians, is being used to assess the contribution of non-chromosomal factors to inheritance. Work on the nature of senescence include investigations of changes in plasma lipoproteins as a function of age, and on the effects of maternal age on the viability of offspring.

Work in the field of comparative physiology includes the systematic physiological interpretation of geographical distribution patterns, particularly in worms; of the responses to light of the lowest vertebrates; of the pigmentary system of skin; and of the behaviour of coelenterates. Work on the nervous system of the octopus continues, and on the development of co-ordination centres in the brains of mice has begun.

Palaeontological research on Triassic reptiles, including the ancestors of mammals, is developing rapidly, and has entailed the exploration, dating and ecological definition of many new fossil-bearing localities.

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See also p. 58.

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FACULTY OF ENGINEERING

CHEMICAL ENGINEERING

During the year the Shell Group of Companies have made a most generous offer of £2,700 per annum to be devoted to scholarships for either undergraduates or postgraduates or for the purchase of equipment. In view of the shortage of suitable applicants for undergraduate courses it was decided this year to use the money for scholarships to undergraduate students and some 1,700 schools were circularized. Three scholarships have been awarded and there has been a gratifying result in that the demand for places in the course has risen considerably and that the places can all be filled with candidates who are likely to prove up to the desired standard.

A most welcome contribution to the department was a gift of £750 from the Salters' Company which has been used to purchase a U.V.-spectrophotometer. This is now proving of great assistance in our research programme.

Another generous donation has been the establishment by the Esso Petroleum Company of a postgraduate Studentship of £350 per annum plus fees. The two Leverhulme Studentships have been increased from £350 per annum to £400. Other welcome grants have also been made by the Anglo-Iranian Oil Company of £500 and British Celanese of £100 towards the work of the department.

As a result of research work in the department on dust precipitation by electrostatic means, the British Electricity Authority has now arranged a contract whereby the work will be carried on with a view to minimizing dust emission from power station chimneys.

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SURVEYING AND PHOTOGRAMMETRY.—Design work on a new photogrammetric plotter is now complete. It is hoped that the instrument will be ready for testing before the end of 1953 A contract has been signed with the Ministry of Supply for research on the optical aberrations in aircraft windows due to temperature gradients and turbulent air-flow. A Zeiss stereoplanigraph has been added to the equipment in the Photogrammetric Laboratory. A new course leading to a diploma in Photogrammetry has been initiated and will start in October 1953.

CONCRETE TECHNOLOGY.—A comparison has been made of methods of measuring Poisson's ratio for concrete. These have included methods by audio frequency vibration, the velocity of ultrasonic pulses and direct strain measurements. A new inductance strain gauge has been developed for this work. The work on the vibration of fresh concrete is continuing and the work on concrete mix design has been completed.

PHOTOELASTICITY.—Research during the past session has included: (*a*) investigation of new photoelastic materials and of techniques of casting models; (*b*) completion of the calibration of the birefringent effects in a bentonite suspension in moving liquid, and construction of a flow channel for the study of liquid flow by this method; (*c*) investigations into the stress distributions in certain aircraft components and other engineering parts; (*d*) preliminary tests on the application of the photoelastic method to the exploration of the stress-distribution in pre-stressed concrete beams.

PUBLIC HEALTH.—Research work on the dewatering of sewage sludge has proceeded throughout the session with the aid of two Rockefeller Foundation Bursaries in Public Health Engineering.

SOIL MECHANICS.—Work has been started on the determination of the load-deformation characteristics of compacted sand-clay mixtures using the motorized triaxial compression apparatus, with a view to their application to pavement design. Comparisons are to be made with the results of California bearing ratio tests on the same soil.

STRUCTURES.—A study is being made of the economic proportioning of containers including tanks, bins, and similar civil engineering forms. The work includes theoretical and experimental design and considers the effects of costs of materials and construction.

CAPPER, P. L., Soil mechanics in relation to structural engineering. *Struct. Engr*, 31 (Feb. 1953), 47.
Reviews of the following:
Department of Scientific and Industrial Research, Road Research Laboratory, *Soil Mechanics for Road Engineers. Engineering, Lond.*, 174, No. 4527 (1952), 555.
G. B. and G. E. Sowers, *Introductory Soil Mechanics and Foundations. Ibid.*, 174, No. 4531 (1952), 620.
G. P. Tschebotarioff, *Soil Mechanics, Foundations and Earth Structures. Ibid.*, 174, No. 4531 (1952), 684.

JESSOP, H. T., The scope and limitations of the photoelastic method of stress-analysis. *J. R. aero. Soc.*, 57, No. 507 (1953), 125–40.
On the Tardy and Senarmont methods of measuring fractional relative retardations. *Brit. J. appl. Phys.*, 4, No. 5 (1953), 138–41.

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WILKINS, R. J., Some advanced structures experiments. *Journal of Engineering Education* (College of Technology, University of Manchester), No. 3 (1953), 14–18.

ELECTRICAL ENGINEERING

Considerable progress has been made, under the supervision of Professor F. Brailsford, with the problem of measuring accurately the electrical losses in ferromagnetic laminae at high flux densities, and, under the supervision of Professor H. E. M. Barlow and Dr A. L. Cullen, further basic information has been obtained on the properties of microwaves. In particular, surface waves, waves propagated along the inside of hollow metal tubes, microwave power measurements, losses in waveguide surfaces, a novel method of field strength measurement, and velocity modulated electron beams have been given special attention. The research work is receiving financial support from a number of outside organizations and the department is indebted to the Paul Fund of the Royal Society, the Department of Scientific and Industrial Research, the Electrical Research Association, the Ministry of Supply, and the Admiralty for their help.

A series of twenty-two colloquia have been held in the department during the session to discuss various aspects of the research activities. The staff, the research students, and the Part III undergraduates in Electrical Engineering have all taken part in these meetings which proved outstandingly successful.

Some important new apparatus has been acquired both for the research on magnetic materials and on microwaves.

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CULLEN, A. L., A microwave vibration wattmeter. *Nature, Lond.*, 170 (1952), 1121.

MECHANICAL ENGINEERING

The first portion of the research on the rate of flame travel in the internal combustion engine has been successfully completed.

Research on the measurement of mechanical vibrations by electrical means is continuing, also the examination of the action of hydraulic surge tanks by means of models.

The large circulating pump in the Hydraulics Laboratory has been rebuilt and the output considerably increased. It is hoped that a propeller turbine may be built to operate in connection with this pump.

Mr H. Billett is continuing his research on the effect of water sprays on the inflammability limits of butane air mixtures. The National Gas Turbine Establishment is interested in this work.

BILLETT, H., Preliminary note on the effect of water spray on the inflammability limits of butane-air mixtures. *National Gas Turbine Establishment Note*, NT 41 (Jan. 1953), 11 pp.

FACULTY OF MEDICAL SCIENCES

ANATOMY AND EMBRYOLOGY

The new floor which the department occupied in the autumn has provided excellent and much needed research rooms.

Work on the cerebral cortex has proceeded actively, including the study of dendrite patterns in animals that are blind or otherwise defective. The brain of the bird has also provided most useful experimental material. Other lines of work that have been pursued have been the histology of the spinal cord, innervation and blood supply of muscles, blood supply of bone, formation of collagen in skin wounds. The department of Embryology has continued the study of cell movements in tissue culture. The flying spot microscope has reached the stage where counting of cells is effective. It is hoped that the instrument will soon be in commercial production. The discussion groups have again been a feature of teaching, and their results and effectiveness are being studied under a special grant from the Rockefeller Foundation.

The Journal of Embryology and Experimental Morphology has been launched from the department, under the editorship of Mr M. Abercrombie, and the first number has recently appeared. A meeting of the international editorial board of the Journal was held in January in the department.

PUBLICATIONS

ABERCROMBIE, M., HEAYSMAN, JOAN E. M., Observations on the social behaviour of cells in tissue culture. I. Speed of movement of chick heart fibroblasts in relation to their mutual contacts. *Exp. Cell. Res.*, 5 (1953), 111–31.

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BIOCHEMISTRY

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BIOPHYSICS

Research has continued on the mechanism of impulses in nerve and muscle fibres, and on the exchange of ions across cell membranes. A method has been developed for recording intra-cellular hydrogen ion concentration and was applied to crustacean muscle fibres. The transmission of an impulse across a single nerve-muscle junction has been studied further, and a new quantal aspect of this process is being investigated. Experiments were made on the membrane properties of denervated muscle. The question of the relation between electrical and mechanical changes in muscle is being taken up. Ionophoretic measurements were performed on living muscle, using radio-tracers. Further experiments were made on the movement of labelled ions across normal and pathological red cell membranes.

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Potassium exchange in ganglia after postganglionic nerve section. *Ibid.*, 121 (1953), 638–40.

PHARMACOLOGY

Teaching was expanded by the inclusion for the first time of a course in Pharmacology as an ancillary subject in the B.Sc. (General) course.

Investigations have continued on the reactions of the intestine deprived of its nervous control, and on the release of histamine from

various tissues, quantitative methods involving automatic apparatus being further developed. An unidentified smooth muscle stimulant released in anaphylactic shock has been studied. The effects of quaternary salts, local anaesthetics, and sympathomimetic amines in paralyzing autonomic ganglia have been examined. Records of the electrical changes in the spinal cord due to administration of acetylcholine have been obtained and analysed.

Studies of the content of vasopressor, oxytocic, and antidiuretic factors of the posterior pituitary glands of human foetuses have been completed, and the work on the metabolism of posterior pituitary secretions in relation to renal functions has been continued. The effects of diuretics and of drugs affecting the blood circulation on the pressure in the kidney which may obstruct the outflow of urine in swollen kidneys have been determined.

Some psychological effects of drugs have been measured quantitatively and the ways in which the deterioration of performances of different complexity, under the influence of certain drugs, are grouped has been analysed. Investigations have begun on the effects of drugs on learning, motor responses, flicker fusion frequency, and time perception.

Some of these researches have benefited by stimulating and active collaboration of members of the Departments of Anatomy and Psychology.

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PHYSIOLOGY

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APPENDIX I

COLLEGE COMMITTEE

	*Attendances**
Chairman: Rt Hon. Lord Normand, LL.D.	7–7
Treasurer: Sir Frederick James, C.B.E.	5–7
Sir Wallace Akers, C.B.E., D.SC., F.R.I.C., F.R.S.A., F.C.S.¶	4–5
Arthur Brian Ashby, M.A.	3–7
Mrs Irene Chaplin, B.A., J.P.	2–7
Professor M. B. Donald, M.SC., F.R.I.C., M.I.CHEM.E., A.R.C.S.¶ ..	4–4
W. E. Duncanson, PH.D., D.SC.§	2–3
P. Dunsheath, C.B.E., M.A., D.SC., D.ENG., M.I.E.E.	4–7
B. Ifor Evans, M.A., D.LIT., *Provost*†	6–7
R. C. FitzGerald, LL.B., F.R.S.A.¶	4–4
R. E. Gibbs, D.SC., F.INST.P.	7–7
David Heron, M.A., D.SC.†	7–7
Professor A. V. Hill, C.H., O.B.E., SC.D., LL.D., D.SC., M.D., F.R.S.‡ ..	5–7
Professor S. E. Hollingworth, M.A., D.SC.	6–7
A. S. Holness, F.I.A.	4–7
Professor R. A. Humphreys, O.B.E., M.A., PH.D.¶	3–4
Professor B. J. Lloyd-Evans, M.SC.(ENG.), PH.D., M.I.MECH.E.§ ..	3–3
L. Hilary Macklin, O.B.E., M.A.	7–7
E. K. Martin, M.B., M.S., F.R.C.S.†	6–7
T. A. L. Paton, B.SC., M.I.C.E., M.AM.SOC.C.E.†¶	4–5
F. J. Stephens, B.A.¶	1–1
Professor T. B. L. Webster, M.A., F.S.A.§	2–3
Miss Etheldreda Wickers, B.A., A.C.P.	3–7
Professor G. L. Williams, M.A., LL.D.	7–7
Professor F. R. Winton, M.A., M.D., D.SC.§	3–3
R. McKinnon Wood, O.B.E., M.A.	0–7
Professor J. Z. Young, M.A., F.R.S.¶	3–4

* The two figures indicate respectively the number of times that the member attended, and the number of times that he was summoned to a meeting of the Committee during the year 1 October 1952 to 30 September 1953. † Fellow of the College. ‡ Hon. Fellow of the College.
§ Membership terminated before 30 September 1953. ¶ Appointed after 1 October 1952.

APPENDIX II

PROFESSORIAL BOARD

Chairman: B. Ifor Evans, M.A., D.LIT., Provost†

C. W. Allen, D.SC., Perren Professor of Astronomy

G. C. Allen, M.COM., PH.D., Professor of Political Economy

A. J. Ayer, M.A., F.B.A., Grote Professor of Philosophy of Mind and Logic

Ernest Baldwin, PH.D., Professor of Biochemistry

H. E. M. Barlow, B.SC.(ENG.), PH.D., M.I.E.E., M.I.MECH.E., Pender Professor of Electrical Engineering†

H. Hale Bellot, M.A., Commonwealth Fund Professor of American History†

O. L. Brady, D.SC., D.I.C., F.R.I.C., Reader in Organic Chemistry

F. Brailsford, B.SC.(ENG.), PH.D., M.I.E.E., Professor of Electrical Engineering

G. L. Brown, C.B.E., M.SC., M.B., CH.B., F.R.S., Jodrell Professor of Physiology

A. B. C. Cobban, M.A., PH.D., Reader in Modern French History

W. M. Coldstream, C.B.E., Slade Professor of Fine Art†

H. J. Collins, M.C., M.SC., M.I.C.E., M.I.MECH.E., P.P.I.STRUCT.E., A.M.AM.SOC.C.E., Chadwick Professor of Civil Engineering

H. O. Corfiato, S.A.D.G., F.S.A., F.R.I.B.A., HON.F.I.B.D., Professor of Architecture

H. C. Darby, O.B.E., M.A., PH.D., Professor of Geography

H. Davenport, M.A., SC.D., F.R.S., Astor Professor of Mathematics

Florence N. David, D.SC., Reader in Statistics

W. R. Dean, M.A., Goldsmid Professor of Mathematics

H. Dingle, D.SC., D.I.C., A.R.C.S., Professor of History & Philosophy of Science

M. B. Donald, M.SC., F.R.I.C., M.I.CHEM.E., A.R.C.S., Ramsay Memorial Professor of Chemical Engineering

W. E. Duncanson, PH.D., D.SC., Reader in Physics

W. B. Emery, M.B.E., M.A., F.S.A., Edwards Professor of Egyptology

R. C. FitzGerald, LL.B., F.R.S.A., Reader in English Law

Daryll Forde, PH.D., Professor of Anthropology†

L. W. Forster, M.A., DR.PHIL., Professor of German

D. B. Fry, PH.D., Reader in Experimental Phonetics

A. H. Gerrard, Professor of Sculpture

J. B. S. Haldane, M.A., D.SC., D.DE L'UNIV., F.R.S., Weldon Professor of Biometry

Sir William Holford, M.A., F.R.I.B.A., M.T.P.I., F.I.L.A., Professor of Town Planning

S. E. Hollingworth, M.A., D.SC., Yates-Goldsmid Professor of Geology

E. D. Hughes, D.SC., PH.D., F.R.I.C., F.R.S., Professor of Chemistry

R. A. Humphreys, O.B.E., M.A., PH.D., Professor of Latin American History

C. K. Ingold, D.SC., F.R.S., Professor of Chemistry

Raymond Irwin, M.A., F.L.A., Director of School of Librarianship & Archives

B. Katz, M.D., PH.D., D.SC., F.R.S., Professor of Biophysics

† Fellow of the College.

G. W. Keeton, M.A., LL.D., Professor of English Law

B. J. Lloyd-Evans, M.SC.(ENG.), PH.D., M.I.MECH.E., Kennedy Professor of Mechanical Engineering

Kathleen Lonsdale, D.SC., F.R.S., Professor of Chemistry†

A. Maccoll, M.SC., PH.D., Reader in Chemistry

R. D. McLellan, PH.D., Senior Tutor & Senior Lecturer in Greek & Latin

H. S. W. Massey, M.SC., PH.D., F.R.S., Quain Professor of Physics

P. B. Medawar, M.A., D.SC., F.R.S., Jodrell Professor of Zoology and Comparative Anatomy

A. D. Momigliano, M.A., D.LITT., Professor of Ancient History

J. E. Neale, M.A., D.LITT., F.B.A., Astor Professor of English History†

W. H. Pearsall, D.SC., F.R.S., Quain Professor of Botany

E. S. Pearson, C.B.E., M.A., D.SC., Professor of Statistics†

L. S. Penrose, M.A., M.D., M.R.C.S., L.R.C.P., F.R.S., Galton Professor of Eugenics

G. J. Renier, PH.D., PHIL.LIT.CAND., Professor of Dutch History and Institutions†

C. M. Robertson, M.A., Yates Professor of Classical Art and Archaeology

R. W. Russell, M.A., PH.D., Professor of Psychology

O. Skutsch, DR.PHIL., Professor of Latin

A. H. Smith, O.B.E., PH.D., D.LIT., Quain Professor of English Language and Literature

S. Stein, PH.D., Goldsmid Senior Lecturer in Hebrew

James R. Sutherland, M.A., B.LITT., F.B.A., Lord Northcliffe Professor of Modern English Literature

H. Terrey, B.SC., Professor of Chemistry

E. H. Thompson, O.B.E., B.A., Professor of Surveying and Photogrammetry

E. G. Turner, M.A., Professor of Papyrology

T. B. L. Webster, M.A., F.S.A., Professor of Greek

R. Weiss, B.A., Professor of Italian

Elizabeth M. Wilkinson, PH.D., Reader in German

John Wilks, M.A., F.L.A., Librarian†

G. L. Williams, M.A., LL.D., Quain Professor of Jurisprudence

F. R. Winton, M.A., M.D., D.SC., Professor of Pharmacology

R. Wittkower, PH.D., Durning-Lawrence Professor of the History of Art

B. Woledge, M.A., D.DE L'UNIV., Fielden Professor of French Language and Literature

T. L. Wren, M.A., Reader in Geometry

J. Z. Young, M.A., F.R.S., Professor of Anatomy

† Fellow of the College.

APPENDIX III

ELECTION OF HONORARY FELLOW AND FELLOWS

The following elections were made in 1953:

HONORARY FELLOW

Sir Alfred Charles Bossom, M.P.

FELLOWS

Sir John Lucian Blake, Comptroller-General of Patents, Designs and Trade-Marks

Professor William Menzies Coldstream, C.B.E., Slade Professor of Fine Art in the University of London

Miss Clemence Winifred Ashton Dane, Writer and Playwright

Professor George Frank Forsey, Deputy Vice-Chancellor, University of Southampton

Mr George William Odey, C.B.E., Member of Parliament for the Beverley Division of the East Riding of Yorkshire, and Chairman and Managing Director of Barrow, Hepburn and Gale Ltd., Tanners & Leather Merchants

Professor Robert Milnes Walker, Professor of Surgery in the University of Bristol

APPENDIX IV

RECOGNITION AS TEACHERS OF THE UNIVERSITY

The following members of the academic staff have been granted Full Recognition as Teachers of the University during the academic year 1952–53 and have been assigned to University Faculties as indicated:

Anatomy	D. H. L. Evans	Medicine and Science
Astronomy	P. A. Sweet	Science
Chemistry	P. B. D. de la Mare	Science
Civil and Mechanical Engineering	*R. J. Wilkins	Engineering
English	T. J. B. Spencer	Arts
History	R. H. C. Davis	Arts
History and Philosophy of Science	A. C. Crombie	Science
Physics	G. R. Heyland	Science
Political Economy	D. C. Hague	Economics
Scandinavian Studies	H. A. Koefoed	Arts
Zoology	K. A. Kermack	Science

*Transferred from Northampton Polytechnic.

APPENDIX V

PRINCIPAL CHANGES IN THE ACADEMIC STAFF

FACULTY OF ARTS

ANTHROPOLOGY

Appointments: Margaret A. Littlewood, B.A. (Research Assistant), formerly student of the College.
F. M. Rehfisch, B.A. (Research Assistant), formerly student of the College.
Marian W. Smith, M.A., PH.D. (Honorary Research Associate), Associate Professor of Anthropology, Foreign Institute, Department of State, Washington D.C.

ARCHITECTURE

Appointment: W. A. Eden, M.A., F.S.A., F.R.I.B.A. (Part-time Lecturer).

Resignation: D. W. Aberdeen, B.A.(ARCH.), F.R.I.B.A., A.M.T.P.I. (Lecturer).

FINE ARTS

Appointment: M. W. L. Kitson, B.A. (Part-time Assistant).

GEOGRAPHY

Appointment: W. D. Pattison, PH.B., M.A. (Research Assistant), formerly student, University of Chicago.

Resignations: A. E. Smailes, M.A. (Reader), appointed Head of Department of Geography at Queen Mary College, London.
Rachel Fox, B.A. (Research Assistant).
P. J. Walter, M.A. (Research Assistant), to Assistantship at University College, Leicester.

GERMAN

Appointment: M. P. L. Hamburger, M.A. (Assistant Lecturer).

HEBREW

Retirement: E. J. Heller, DR.PHIL. (Assistant).

HISTORY

Resignation: R. H. Beevers, M.A. (Assistant Lecturer).

ITALIAN

Retirement: A. M. Bassani, SC.D. (Part-time Lecturer).

PHILOLOGY

Appointment: O. J. L. Szemerényi, DR.PHIL. (Part-time Lecturer).

PHILOSOPHY

Resignation: J. F. Thomson, D.F.C., B.A. (Assistant Lecturer), to Lectureship in the Faculty of Moral Science at Cambridge.

POLITICAL ECONOMY

Appointment: A. Kay, B.SC.(ECON.) (Research Assistant), from Assistant Lectureship, University of Sheffield.

Resignation: Rita J. Maurice, B.SC.(ECON.) (Assistant Lecturer), awarded Scholarship tenable at the University of Michigan.

SCANDINAVIAN STUDIES

Appointment: T. Støverud, CAND.PHILOL. (W. P. Ker Lecturer in Norwegian), formerly Lecturer in Norwegian, King's College, Newcastle.

FACULTY OF LAWS

Appointment: F. Parkinson, B.A. (Assistant Lecturer), formerly student of the College.

FACULTY OF SCIENCE

ASTRONOMY

Appointments: P. A. Sweet, M.A., PH.D. (Lecturer and Assistant Director of the Observatory), from Lectureship, University Observatory, Glasgow.
E. W. Foster, B.SC., A.R.C.S. (Lecturer).

BOTANY

Appointments: Sonja Beruh, B.SC., A.R.C.S. (Assistant Lecturer), held Tutorial Studentship at King's College, London.
Yolande Heslop Harrison, PH.D. (Assistant Lecturer), formerly Assistant Lecturer, Bedford College, London.

CHEMISTRY

Appointments: A. D. Allen, B.SC. (Lecturer), formerly student of the College.
D. R. Llewellyn, D.PHIL., F.R.I.C. (Lecturer), formerly I.C.I. Research Fellow.
J. H. Ridd, PH.D. (Assistant Lecturer), formerly research student of the College.

Resignation: P. G. Owston, PH.D. (Honorary Research Associate).

EUGENICS, BIOMETRY, AND GENETICS

Resignation: Rowena Lamy, PH.D. (Lecturer).

GEOLOGY

Resignation: G. Mueller, M.A., PH.D. (Research Assistant).

HISTORY AND PHILOSOPHY OF SCIENCE

Resignation: A. C. Crombie, B.SC., PH.D. (Lecturer), to Senior Lectureship in History of Science, Oxford University.

MATHEMATICS

Appointments: W. R. Dean, M.A. (Goldsmid Professor of Mathematics), formerly Lecturer at Trinity College, Cambridge, and University Lecturer in Mathematics.
D. H. Michael, B.SC. (Assistant Lecturer), from Royal Holloway College, London.

Resignation: R. E. Holland, B.SC. (Assistant Lecturer), to appointment at Pearl Assurance Company.

PSYCHOLOGY

Appointments: Norah M. Davis, M.A., PH.D. (Honorary Research Associate), Assistant Director, Medical Research Council, Industrial Research Group.
R. Marriott, M.SC. (Honorary Research Associate), Assistant Director, Medical Research Council, Industrial Research Group.

Resignation: M. Hamilton, M.D., M.R.C.S., L.R.C.P. (Part-time Lecturer).

ZOOLOGY

Appointments: B. B. Boycott, B.SC. (Lecturer), formerly Honorary Research Assistant, Department of Anatomy.
Pamela L. Robinson, B.SC. (Assistant Lecturer), formerly student of the College.
J. Maynard Smith, B.A., B.SC. (Assistant Lecturer), formerly student of the College.

FACULTY OF ENGINEERING

CHEMICAL ENGINEERING

Appointment: J. A. Barnard, PH.D., A.R.C.S., D.I.C. (Lecturer), formerly Assistant Lecturer, Imperial College, London.

CIVIL AND MUNICIPAL ENGINEERING

Appointments: R. J. Wilkins, M.SC.(ENG.), M.I.STRUCT.E., A.M.I.C.E. (Lecturer), from Senior Lectureship, Northampton Polytechnic.
D. L. Dewey, M.A. (Research Assistant), formerly student, University College Hospital Medical School.

ELECTRICAL ENGINEERING

Appointment: C. E. Gimson, M.SC.(ENG.) (Lecturer), from Lectureship, University of Nottingham.

MECHANICAL ENGINEERING

Appointment: B. S. Massey, B.SC.(ENG.), PH.D. (Lecturer), formerly Research Engineer, Messrs C. A. V. Ltd.

FACULTY OF MEDICAL SCIENCES

ANATOMY AND EMBRYOLOGY

Appointments: Elizabeth M. Deuchar, PH.D. (Assistant Lecturer), formerly Research Assistant, Institute of Animal Genetics, Edinburgh.
M. H. Flint, M.B., B.S. (Assistant Lecturer), from St Peter's Hospital, Chertsey, Surrey.
Ursula E. Henderson, M.B., B.S., M.R.C.S., L.R.C.P. (Assistant Lecturer), formerly Trainee Practitioner.
B. Lytton, M.S., B.S., M.R.C.S., L.R.C.P. (Assistant Lecturer), formerly Senior Resident Accoucher, London Hospital.
J. P. Stanier, B.A. (Research Assistant), formerly student, University of Cambridge.

Resignations: D. D. B. Morris, M.B., B.S. (Assistant Lecturer), to St Mary's Hospital.
Elisabeth Palmer, PH.D. (Bibliographer and Research Assistant), to Department of Human Anatomy, Oxford.

BIOCHEMISTRY

Resignations: H. Harris, M.A., M.D. (Lecturer), to Senior Lectureship in Biochemistry, London Hospital Medical College.

C. W. Parr, M.SC., PH.D. (Assistant Lecturer), to London Hospital Medical College.

BIOPHYSICS

Appointments: W. Burke, B.SC. (Assistant Lecturer), formerly student of the College.

J. del Castillo-Nicolau, M.D. (Assistant Lecturer), formerly Temporary Assistant Lecturer in the Department of Physiology.

Resignation: H. McLennan, M.SC., PH.D. (Assistant Lecturer), returning to Montreal Neurological Institute.

PHARMACOLOGY

Resignation: D. W. Kennard, M.B., B.S., M.R.C.S., L.R.C.P. (Assistant Lecturer), to Physiological Laboratory, Cambridge.

PHYSIOLOGY

Appointment: J. A. B. Gray, M.A., M.B., B.CHIR. (Reader), from National Institute for Medical Research.

Resignation: W. E. Brocklehurst, B.PHARM., B.SC. (Sharpey Scholar), to National Institute for Medical Research.

APPENDIX VI

SPECIAL LECTURES

A.—PUBLIC LECTURES

CENTENARY LECTURE

Professor S. R. K. Glanville, Cambridge: The Flinders Petrie Centenary Lecture

ENDOWED LECTURES

BARLOW LECTURES

Mr Colin Hardie, Oxford: 'The Date of the Comedy and the Canzone, *Amor da che convien*', 'The Development of Dante's conception of Virgil', 'Beatrice's rebukes to Dante in the Earthly Paradise' (four lectures)

CHAMBERS MEMORIAL LECTURE

Mr John Wilks, Librarian, University College London: 'The Influence of R. W. Chambers on the Development of University Libraries'

COMMONWEALTH FUND LECTURES

Professor A. P. Whitaker, Pennsylvania: 'The Western Hemisphere Idea and Pan Americanism, 1800–1950' (eight lectures)

RICKMAN GODLEE LECTURE

Professor Sir Geoffrey Jefferson, Manchester: 'The Prodromes to Cortical Localization'

LORD NORTHCLIFFE LECTURES IN LITERATURE

Professor Peter Alexander, Glasgow: 'Shakespeare's Tragedies: their Interpretation' (five lectures)

LUNCH-HOUR LECTURES

Mr A. J. Arkell: 'Toilet in Ancient Egypt'
Dr A. Armitage: 'Copernicus and the Reformation of Astronomy'
Professor H. E. M. Barlow: 'Guided Electric Waves'
Mr G. W. S. Barrow: 'David I, King of Scots 1124–1153'
Mr B. C. Brookes: 'Words and their Definitions'
Dr G. B. Brown: 'Is there a Philosophy of Science?'
Mr J. T. Coppock: 'The Chiltern Landscape'
Mr D. S. Duncan: 'The Library of a Venetian Humanist'
Professor W. B. Emery: 'Royal Tombs of the Nubian X-Group'
Mr D. L. Evans: 'A History of Mediaeval Wales'
Dr J. Frankel: 'Soviet Policy in the Far East'
Mr R. B. Freeman: 'The Biology of Bubonic Plague'
Mr D. J. Furley: 'The Lost Works of Aristotle'
Professor J. B. S. Haldane: 'Indian Culture, Past and Present'
Professor Sir William Holford: 'The Way We Live Now: a commentary on our Urban Environment'
Professor S. E. Hollingworth: 'Hunting Sulphur in the Andes'
Mr P. H. R. James: 'Recent Experiments in the Psychology of Vision'
Mr A. R. Jonckheere: 'Recent Experiments in the Psychology of Learning'
Dr Phyllis M. Kaberry: 'Gardening and Social Prestige in New Guinea'
Dr K. A. Kermack: 'The Origin of Mammals'
Mr J. Lanner: 'Monetary Policy in the Post-War Economy'
Mr R. O'Sullivan: 'The Future of the Family'
Professor C. M. Robertson: 'Architecture and Sculpture: their relation in Greek Art'
Dr D. M. Ross: 'Scholarship and Practice in the History of Biology'
Professor A. H. Smith: 'English Place-Names'
Dr Colin Smith: 'Renan and Science'
Dr Helen Spurway: 'Is Man a Domestic Animal?'
Miss Susan Strange: 'Britain and the Continent'
Mr A. J. Taylor: 'The First National Miners' Trade Union, 1841–1850'
Miss Pauline Whitby: 'Animal Food'
Dr E. Wiesenberg: 'The Dead Sea Scrolls'
Dr J. A. Willis: 'A Late Latin Polymath'

LECTURES ARRANGED BY COLLEGE DEPARTMENTS

This list includes only those lectures given by visiting lecturers or by honorary members of the staff.

ARCHAEOLOGY

Signora Zancani Montuoro, Director of the Excavations at Foce del Sele: 'The Heraion at Foce del Sele: the subject-matter of the Sculptures'

BIOCHEMISTRY

Professor A. Albert, Australian National University: 'Ionisation and Biological Activity' (three lectures)

Professor Sir Rudolph Peters, Oxford: 'Inhibitors and Intracellular Chemical Dissection' (four lectures)

Professor J. H. Quastel, Montreal General Hospital: 'The Action of Drugs on Enzyme Systems'

Professor Jean Roche, Collège de France, Paris: 'Comparative Biochemistry of Iodoproteins'

Professor George Wald, Harvard: 'The Molecular Basis of Vision'

Professor V. B. Wigglesworth, Cambridge: 'Chemical Aspects of Insect Physiology' (four lectures)

ELECTRICAL ENGINEERING

Dr M. V. Wilkes, Cambridge: 'The Design of Electronic Digital Computers' (four lectures)

EUGENICS, BIOMETRY, AND GENETICS

Madame S. Filitti Wurmser, Paris: 'The Physical Chemistry of an Immunological Reaction' (two lectures)

GREEK

Professor Gudmund Björck, Uppsala: 'The *Rhesus*'

Professor Karl Reinhardt, Frankfurt: 'Philosophy and History among the Greeks'

Professor Denis van Berchem, Lausanne: 'Tradition and Originality in Latin Poetry'

LAWS

Professor N. Bentwich, Jerusalem: 'Federation in Central Africa'

MATHEMATICS

Professor J. Kampé de Fériet, Lille: 'The Statistical Theory of Turbulence'

PHARMACOLOGY

Professor F. Bergel: 'Some Chemical Aspects of Normal Growth' (three lectures)

Dr T. S. Work: 'Biosynthesis of Proteins' (two lectures)

PHYSIOLOGY

Dr Warren S. McCulloch, Massachusetts Institute of Technology: 'Some New Techniques for the Electrophysiological Study of the Central Nervous System'

B.—IMPORTANT LECTURES GIVEN OUTSIDE THE COLLEGE BY MEMBERS OF THE ACADEMIC STAFF

Professor H. Dingle (History and Philosophy of Science): 'Science and Modern Cosmology'—Presidential Address, Royal Astronomical Society.

Professor Daryll Forde (Anthropology): 'The Culture Map of West Africa'—New York Academy of Sciences.

Professor J. B. S. Haldane (Eugenics, Biometry, and Genetics): 'Darwinism: its application to Human Society'—Charles Beard Lectures, Oxford University.

Professor C. K. Ingold (Chemistry): 'Old and New Ideas on Saturated Rearrangements'—Presidential Address, The Chemical Society.

Professor Kathleen Lonsdale (Chemistry): 'Removing the Causes of War'—Swarthmore Lecture, Society of Friends.

Professor W. H. Pearsall (Botany): 'Habitat, Vegetation and Man'—Royal Institution.

Dr W. D. M. Paton (Pharmacology): 'The Uses of the Methonium Compounds'—The Bengue Memorial Award Lecture, Royal Institute of Public Health and Hygiene.

Professor R. W. Russell (Psychology): ' Behaviour under Stress'—Ernest Jones Memorial Lecture, British Psycho-Analytical Society.

Professor James R. Sutherland (English Language and Literature): Sir Walter Scott Lectures, University of Edinburgh.

Professor T. B. L. Webster (Greek): 'Language and Thought in Early Greece'—Percival Memorial Lecture, Manchester Literary and Philosophical Society.

Professor J. Z. Young (Anatomy and Embryology): 'Vision and Speech'—Barker-Meadley Lecture, British Optical Association.

'Measurement with the Flying Spot Microscope'—Annual Lecture, Measurements Section, Institution of Electrical Engineers.

APPENDIX VII

NUMBERS OF STUDENTS, SESSION 1952–53

	Men	*Women*	*Total*
Faculty of Arts:			
(*a*) General	288 (64)	434 (195)	722 (259)
(*b*) Department of Political Economy	90 (—)	18 (—)	108 (—)
(*c*) Slade School of Fine Art	128 (24)	124 (25)	252 (49)
(*d*) Bartlett School of Architecture ..	178 (6)	31 (—)	209 (6)
(*e*) Department of Town Planning ..	74 (73)	10 (10)	84 (83)
*(*f*) School of Librarianship and Archives	8 (8)	12 (12)	20 (20)
Faculty of Science	522 (77)	111 (15)	633 (92)
Faculty of Medical Sciences	172 (28)	35 (1)	207 (29)
Faculty of Engineering	225 (29)	2 (1)	227 (30)
Faculty of Laws	192 (18)	46 (4)	238 (22)
Postgraduate and Research	600 (195)	141 (41)	741 (236)
	2,477 (522)	964 (304)	3,441 (826)

* *Students reading for the University Diploma in Librarianship and in Archive Administration are included in the Postgraduate figures.*

The figures in brackets indicate the number of part-time students which are included in the total under each head.

APPENDIX VIII

GEOGRAPHICAL DISTRIBUTION OF STUDENTS, SESSION 1952–53

	Under-graduates	*Post-graduates*	*Totals*
UNITED KINGDOM			
London	393	121	514
Home Counties (30-mile radius)	1,037	255	1,292
Remainder of United Kingdom	964	163	1,127
			(2,933)
BRITISH COMMONWEALTH OF NATIONS			
Australia	10	10	20
British West Africa	16	3	19
British West Indies	11	2	13
Canada	15	13	28
Ceylon	8	3	11
India	19	42	61
Pakistan	5	12	17
South Africa	19	11	30
Other Countries	52	8	60
			(259)
OTHER PARTS OF THE WORLD			
Egypt	11	27	38
France	23	—	23
Germany	11	3	14
Iraq	2	9	11
Norway	7	3	10
United States of America	19	28	47
Other Countries	78	28	106
			(249)
Totals	2,700	741	3,441

APPENDIX IX

UNIVERSITY HONOURS

HIGHER DEGREES

FACULTY OF ARTS

Ph.D. *Anthropology:* D. Tait. *Architecture:* T. A. Gorski. *English:* S. Singh, T. J. B. Spencer (and King's College). *French:* Renée L. Curtis, Vivienne G. Mylne, G. D. West. *Hebrew:* S. Simonsohn. *History:* D. S. Coombs, J. R. Morris, F. H. W. Sheppard, M. J. Sydenham. *Italian:* S. B. Chandler, R. G. Faithfull. *Latin:* W. Barr, J. A. Willis. *Mathematics:* P. Heymans. *Psychology:* Raymonde Cole, F. E. Freeman (and Institute of Psychiatry), P. R. Kelvin, Hannah R. Steinberg. [21]

M.A. *Architecture:* Y. M. Eid, F. A. El-Faramawy, H. M. Maged. *English:* Evelyn M. Baker, A. J. Herbert, E. J. Killham, Margaret L. Woodhead. *Geography:* R. A. French, F. D. Hartley, E. M. Rawstron (Mark of Distinction). *Hebrew:* S. Greenbaum (and Jews' College). *History:* J. C. K. Cornwall (Mark of Distinction). *Comparative Philology (Phonetics):* Emma M. Chapallaz (and School of Oriental Studies). *Psychology:* Sheila Bucher. [14]

FACULTY OF ECONOMICS

M.Sc. A. Alagappan. [1]

FACULTY OF LAWS

Ph.D. E. R. H. Ivamy, V. N. Shukla. [2]

LL.M. C. J. Bhatt, S. Ziegel. [2]

FACULTY OF SCIENCE

D.Sc. *Chemistry:* R. S. Nyholm. [1]

Ph.D. *Biochemistry:* Iris B. Ainsworth, J. H. Ashby, A. Hampton, D. S. Hoare, D. G. Walker. *Biophysics:* B. C. Abbott. *Botany:* R. E. Halwagy, Brenda M. Knudson, P. R. Wycherley. *Chemistry:* A. D. Allen, A. E. Comyns, J. M. R. Deschamps, E. A. Halevi, C. R. Kanekar, J. Leisten, I. Levy, J. D. H. Mackie, P. C. Merriman, Y. Pocker, I. G. Ross, J. F. Smith, J. P. Thabit, P. J. Thomas, M. H. Ullah, H. K. E. Zaki. *Crystallography:* M. S. Farag, M. P. Gupta. *Geology:* F. T. Banner, R. N. C. Bowen, J. G. Capewell, K. A. Joysey, M. Mahbub-I-Khuda. *Mathematics:* G. A. Erskine, G. L. Watson. *Physics:* S. Hochberg, M. J. Makin (and the Royal Institution), A. L. Stewart, P. Swan, W. S. C. Williams. *Physiology:* O. F. Hutter. *Psychology:* J. C. Brengelmann, E. S. Howe. *Statistics:* H. A. David, C. L. Mallows, B. Mitchell, A. Rudra. *Zoology:* A. M. M. Aly, Doris M. Kermack, Betty I. Roots. [49]

M.Sc. *Biochemistry:* Janet M. Chamberlain, R. D. Green, D. G. Hill-Cottingham, Z. A. Hossein, Joyce L. Lewis, Brenda P. Moffitt, T. F. Slater, Eluned E. Underhay. *Geology:* F. C. Dilley. *History & Philosophy of Science:* L. R. Day, K. Wendtner, D. H. Yarsley. *Mathematics:* S. F. J. Butler (Mark of Distinction), G. H. Gilliland, R. D. Johnson, W. D. Ray, J. Walker (Mark of Distinction). *Physiology:* D. A. Nixon. *Statistics:* N. Kathirgamatamby. [19]

FACULTY OF MEDICINE

Ph.D. *Pharmacology:* Ourai Arunlakshana, D. F. Hawkins. [2]

FACULTY OF ENGINEERING

Ph.D. K. W. H. Foulds, H. Olivier, J. A. Philpott, B. G. Singh. [4]

M.Sc. R. E. D. Bishop, A. S. El-Kayar. [2]

UNIVERSITY STUDENTSHIPS

Classics: L. Brandwood. *Economics:* R. W. Ward (Gerstenberg Studentship).

English: A. A. Nye. *Fine Art:* Diana J. Cumming. *Laws:* M. B. Conn. *Romance Languages* (*French*)*:* Janina W. Felix.

UNIVERSITY POSTGRADUATE STUDENTSHIPS

Anthropology: J. P. Garlick. *Biochemistry:* E. H. Leaback, L. Rathbone (Renewal). *Botany:* Josephine P. Pugh. *Chemistry:* G. J. Buist (Renewal), G. J. Bullen (Arthur Jubber Studentship). *English:* June Derrick, Joan R. Sargent (Renewal), B. Taborski (Stopford Brooke English Literature Scholarship), Verona M. Taylor. *French:* J. W. Jolliffe, Lynette R. Muir, B. J. Walker. *Geography:* R. J. Rice, D. M. Ricks. *German:* Ursula H. M. Scharf. *Greek:* J. W. Spurgeon. *Hebrew:* F. Horovitz, J. Soussan. *History:* J. H. W. G. Liebeschuetz (William Lincoln Shelley Studentship), J. C. Mann, P. J. Parish, A. H. Smith. *Latin:* P. Walcot. *Laws:* F. A. Ajaji. *Philosophy:* T. H. Winter. *Psychology:* Joan Ray. *Statistics:* T. I. McGloughlin (Renewal).

PRIZE

Geology: K. J. Ackermann (Sir Henry Miers Prize).

APPENDIX X

COLLEGE AWARDS TO STUDENTS

I.—ENTRANCE SCHOLARSHIPS

Andrews Scholarships.—Arts: K. F. Peacock (3rd Year); Kathleen Brown (2nd Year); B. Taylor, Darlington Grammar School of Queen Elizabeth (1st Year). *Classics:* M. Elsom (3rd Year); J. Collinge (2nd Year); K. Booth, King Edward VII Grammar School, Sheffield (1st Year). *Science:* A. M. Hiron (3rd Year); A. P. Anderson (2nd Year), hon. award; D. H. Miles, Cirencester Grammar School (1st Year).

Bartlett Exhibitions in Architecture.—D. P. Bell (5th Year), moiety; G. T. West (5th Year); J. A. Browning (2nd Year); J. R. G. Thomas (2nd Year); B. D. Bagot, Bedford School (1st Year); A. D. C. Hyland, Whitgift School, Croydon (1st Year).

Bucknill Medical Scholarship.—R. M. Pigache (2nd Year); R. D. T. Jenkin, Oxford University (1st Year).

Campbell Clarke Scholarship in English.—E. A. Gleave, Boteler Grammar School (1st Year).

Epsom Medical Scholarship.—D. W. Kay (2nd Year).

Goldsmid Scholarships.—Science: P. F. Smith (2nd Year); M. D. Hooper, Sir George Monoux School, Walthamstow (1st Year). *Engineering:* T. J. Norris (3rd Year); C. R. Cratchley (2nd Year); A. Towers, Wellingborough Grammar School (1st Year).

Hume-Lloyd Scholarship in Political Economy.—Elaine R. A. Kelly (3rd Year); D. C. Bennett (2nd Year); L. Silverman, George Green's School E14 (1st Year).

Laws Scholarship.—G. L. Hochfeld (2nd Year); B. S. McCarthy, St. Paul's School (1st Year).

Exhibitions in Librarianship and Archive Administration.—Elzbieta Fudakowska, Bedford College; Susan Shields, University College London.

Medical Scholarship.—A. J. Lupin, Central Foundation School EC2 (1st Year), provisional award.

Rosa Morison Scholarship (*Arts*).—J. J. Pratt (3rd Year); Christine M. Mundy (2nd Year); Pearl M. Downer, Sandown County Grammar School (1st Year).

Alfred W. Rich Scholarship (*Fine Art*).—Hilda Jackson (3rd Year).

Shell Scholarships in Chemical Engineering.—D. M. Jones, Liverpool Collegiate School (1st Year); P. N. Snowdon, Nunthorpe Grammar School (1st Year); J. R. Wilson, Harvey Grammar School, Folkestone (1st Year).

Slade Scholarship.—A. J. Lee (3rd Year); M. R. Yeomans (2nd Year); E. P. T. Finlay, Morgan Academy, Dundee (1st Year).

Trevelyan Goodall Art Scholarship.—J. K. M. Hennessy (5th Year).

University College School Centenary Scholarship.—R. C. Pratt (3rd Year).

Webb Scholarship.—Pui Y. Goh (4th Year).

West Scholarship in English and English History.—N. A. Beer (3rd Year).

II.—OTHER SCHOLARSHIPS AND DISTINCTIONS

Anatomy Class Prizes.—Medical: O. Holmes. *Dental:* P. C. Perkins and R. A. Wilson, prize equally divided.

Anatomy and Physiology (*B.Sc. Degree*) *Scholarships.—Anatomy:* J. M. P. Hutchinson; L. Illis. *Physiology:* J. W. Crooke; O. Holmes; J. F. Sansome.

'*The Architects' Journal*' *Prize.*—S. A. Hamilton-Fletcher.

Sarah M. Baker Prize (*Botany*).—A. R. H. Martin.

Herbert Batsford Prize (*Architecture*).—Fatma S. Seydi.

Bayliss-Starling Memorial Scholarship (*Physiology*).—J. E. Chinnock.

Bonney Prize (*Geology*).—M. J. Fleuty.

Alfred Bossom Prize in Domestic Architecture.—J. R. Barnsley.

Alfred Bossom Atelier Prizes.—English Architecture: B. B. West. *Contemporary Architecture:* E. A. Stockley.

Margaret Browne Studentship (*Zoology*).—A. W. C. Blackler (1st Year).

'*The Builder*' *Prize* (*Architecture*) for work done in the Long Vacation 1952.—*Junior:* P. C. Sugar.

Chadwick Medal and Prize (*Municipal Engineering*).—A. R. Ritchie.

Churchill-Jenkinson Prize (*Archive Administration*).—J. McN. Dodgson.

Antonio Cippico Medal and Prize (*Italian*).—Zoë Smith.

Lilian Clarke Prize (*Botany*).—R. G. Thomas.

Clinton Prize (*Electrical Engineering*).—J. A. Jamieson, A. Sewards and A. R. Telford, prize equally divided.

Cowley Prize (*Librarianship*).—I. R. Willison.

Cluff Memorial Prize (*Medical Sciences*).—O. Holmes.

Dawes Hicks Scholarship (*Philosophy*).—T. H. Winter.

Donaldson Medal (*Architecture*).—A. R. Osborne.

Early English Text Society's Prize.—Margaret E. Taylor.

Esso Studentship (*Chemical Engineering*).—K. W. Carley-Macauly.

Ferrière Scholarship (*Medical Sciences*) tenable at U. C. H. Medical School.—P. T. Penny (1st Year).

Fielden Research Scholarship (*German*).—Janet R. Goodall.

Ford Foundation Scholarships (*Social Psychology*).—B. Allt (2nd Year); G. J. Gardner (2nd Year).

Carey Foster Research Prize (*Physics*).—A. H. de Borde.

Foyle Prize (*Latin*).—J. M. Tuchner.

Goldsmiths' Company's Postgraduate Studentship in London History.—G. A. Williams (2nd Year).

Archibald P. Head Memorial Medal and Prize (*Mechanical Engineering*).—R. W. Dean.

Heimann Medal (*German*).—D. L. Paisey.

Henriques Scholarship (*Fine Art*).—Eleanor N. J. Juer.

Elsie Hitchcock Prize (*English*).—Inez B. E. Bailey.

John Oliver Hobbes Memorial Scholarship in Modern English Literature.—D. J. Bruce.

Hollier Scholarships.—Greek: Gunn K. Eriksson; S. Usher (1st Year). *Hebrew:* F. Horovitz; J. Soussan.

R. B. Hounsfield Prizes.—Town Planning and Civic Engineering: G. E. Crane. *Traffic Engineering:* F. J. Grimer.

Joseph Hume Scholarship in Jurisprudence.—F. A. Ajayi (2nd Year); D. Barker (1st Year).

Incorporated Institute of British Decorators' Prize.—J. C. da S. Tavares.

Jews' Commemoration Scholarship.—R. P. Wyman, Engineering (2nd Year); S. W. F. Holloway, Arts (1st Year).

Jolowicz Prize (*Roman Law*).—P. W. Greenwood and Adrienne Timothy, prize equally divided.

Ker Memorial Prize (*English Language and Literature*).—B. T. Firth.

Leverhulme Studentships in Chemical Engineering.—J. M. Salomon (2nd Year); S. D. Mills (1st Year); E. H. Williams (1st Year).

Bunnell Lewis Prize for Latin Verse.—I. A. Bullard.

Sir John Macalister Medal (*Librarianship*).—Mary R. Pryor.

Betty Malcolm Scholarship (*Fine Art*).—Jennifer A. Simpson.

Malden Scholarship (*Greek*).—M. W. Edwards.

John Stuart Mill Scholarship in Philosophy of Mind and Logic.—P. R. Bridger.

Rosa Morison Memorial Medals (*Science*).—J. C. Maynard and F. R. Stannard.

Rosa Morison Scholarship (*English Language and Literature*).—June Derrick (2nd Year); Inez B. E. Bailey (1st Year).

Morley Medal (*Modern English Literature*).—A. A. Nye.

Morris Prize (*Geology*).—C. A. Sizer.

Margaret Murray Prize in Egyptology.—S. A. Abbati.

Melvill Nettleship Prize (*Figure Composition*).—R. C. Blomfield, Iola M. Hallwood, J. H. Hope, and Jennifer A. Simpson, prize divided.

Oliver Scholarship (*Botany*).—R. Knowles.

Catherine Maude Pearce Scholarship.—Iola M. Hallward.

Physiology Class Prizes.—Medical: Ann E. Johnson. *Dental:* R. A. Wilson.

Platt Prizes (*Greek*).—L. Brandwood; J. M. Tuchner.

Pollard Prize (*History*).—B. F. Hamilton.

Quain Studentships.—English: K. J. Palmer (3rd Year). *Biology:* V. Moses (1st Year).

Quain English Essay Prize.—A. A. Nye.

Ramsay Memorial Medal (*Chemistry*).—P. C. Hobbins.

Ricardo Scholarship (*Political Economy*).—Muriel J. Hewitt.

Mary Rischgitz Prize (*Fine Art*).—R. C. Blomfield, Iola M. Hallwood, J. H. Hope, and Jennifer A. Simpson, prize divided.

Graham Robertson Travelling Scholarship (*Fine Art*).—Diana J. Cumming, P. J. Sutton and V. A. J. Willing, prize equally divided.

Robert Ross Scholarship (*Fine Art*).—E. Uglow.

Hester Rothschild Scholarship in Hebrew.—F. Horovitz.

Mayer de Rothschild Scholarships in Pure Mathematics.—J. W. R. Day (2nd Year); Kathleen E. Potter (1st Year); I. C. Pull (1st Year).

Schafer Prize in Physiology.—M. de B. Daly.

Sharpey Physiological Scholarship.—J. Diamond (1st Year).

Shell Postgraduate Studentships in Chemical Engineering.—J. B. R. Protheroe (1st Year); M. B. Sheridan (1st Year).

Slade Scholarships.—G. P. McSweeny; Sylvia E. R. Miles; S. G. Votsis.

Steer Medal and Prize (*Fine Art*).—Patricia Millbank.

Suckling Memorial Prize (*Anatomy*).—J. W. Crooke.

Sir Andrew Taylor Prizes.—Architecture: W. B. Worrall. *Fine Art:* D. P. Wild.

Henry Tonks Prize (*Fine Art*).—Diana J. Cumming.

Tuffnell Scholarship (*Chemistry*).—T. J. Lewis (2nd Year).

L. F. Vernon-Harcourt Prize (*Civil Engineering*).—E. G. Ellison.

Ellen Watson Memorial Scholarship in Applied Mathematics.—G. Z. Harris.

APPENDIX XI

EXAMINATION RESULTS

FACULTY OF ARTS

B.A. Honours	*1st Class*	*2nd Class*		*3rd Class*	*Total*
		Upper Div.	*Lower Div.*		
Classics	1	2	2	2	7
English	1	10	12	5	28
French	1	2	12	4	19
Geography	—	6	7	2	15
German	1	5	4	3	13
History	—	12	10	2	24
Italian	—	1	—	—	1
Latin	—	—	1	2	3
Philosophy	2	1	1	—	4
Psychology	1	3	1	1	6
	7	42	50	21	120

	1st Division	2nd Division	3rd Division	Total
B.A. (General)	1	1	3	5

	1st Class Honours	2nd Class Honours	Pass	Total
B.A. Architecture	—	8	7	15

FACULTY OF ECONOMICS

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	Pass	Total
B.Sc. (Economics)					
Old Regulations	—	—	2	2	4
Revised Regulations	1	8	23	3	35
	1	8	25	5	39

FACULTY OF LAWS

	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	Pass	Total
LL.B.	3	5	31	21	60

FACULTY OF SCIENCE

B.Sc. (Special)	1st Class Honours	2nd Class Honours Upper Div.	2nd Class Honours Lower Div.	Pass	Total
Anatomy	—	3	1	—	4
Anthropology	—	—	2	—	2
Botany	3	9	2	—	14
Chemistry	8	7	11	5	31
Geography	—	2	3	3	8
Geology	1	1	3	2	7
Mathematics	6	7	7	3	23
Physics	2	3	12	7	24
Physiology	1	3	6	—	10
Psychology					
Old Regulations	—	1		—	1
Revised Regulations	2	—	—	4	6
Statistics	—	1		—	1
Zoology	2	7		1	10
	25	35	9 47	25	141
B.Sc. (General)	2	13		17	32

FACULTY OF ENGINEERING

	1st Class Honours	2nd Class Honours	Pass Degree	Total
B.Sc. (Engineering)	6	20	16	42
B.Sc. (Engineering) Chemical Engineering	3	4	7	14

FACULTY OF MEDICINE

Second Examination for Medical Degrees: 49 students passed.

APPENDIX XII

BENEFACTIONS AND DONATIONS

The College Committee makes grateful acknowledgment of the following gifts:

THE LATE MRS EDITH ABBOTT

A bequest of £1,500 for a studentship in Mathematics.

ANGLO-IRANIAN OIL COMPANY LIMITED

A grant of £500 towards the work of the Department of Chemical Engineering.

ANGLO-SAXON PETROLEUM COMPANY

The sum of £2,700 annually for the provision of scholarships in the Department of Chemical Engineering and for the purchase of apparatus.

AGRICULTURAL RESEARCH COUNCIL

(1) A grant of £300 for research in the Department of Eugenics, Biometry, and Genetics on insect morphology with reference to mutants of drosophila sub-obscura.

(2) A further grant of £200 for the purchase of extra manometric equipment for research in the Department of Biochemistry on the biochemistry of parasitism.

(3) A further grant of £612 for the continuation of the investigation in the Department of Eugenics, Biometry, and Genetics on 'quasi-continuous variation in the mouse'.

(4) A grant of £2,250 for an investigation by the Department of Zoology into extrachromosomal influence in development and heredity.

SIR ALFRED BOSSOM

A gift of £550 for clerical assistance and the cataloguing of the library in the Communication Research Centre.

BRITISH CELANESE LIMITED

A grant of £100 towards the work of the Department of Chemical Engineering.

BRITISH ELECTRICITY AUTHORITY

A grant of £500 a year for two years for a study in the Department of Chemical Engineering of improvements in electrostatic precipitation of dust.

BRITISH EMPIRE CANCER CAMPAIGN

A grant of £69 per annum for the period 1 August 1953 to 31 December 1954 for research in the Department of Chemistry.

CASSEL EDUCATIONAL TRUST

A grant of £100 towards the purchase of a collection of Icelandic books for the Scandinavian section of the College Library.

DANISH GOVERNMENT

A further grant of 2,000 kroner (£100) for the purchase of works in Danish Literature for the Scandinavian section of the College Library.

ENGINEERING AND ALLIED FIRMS

A gift of £2,105 14*s*. for Civil and Structural Engineering and allied subjects.

ESSO PETROLEUM COMPANY LIMITED

A sum of £350 per annum plus composition fees to provide each year a postgraduate studentship in Chemical Engineering, and of up to £100 per annum for equipment.

THE LATE SIR RICKMAN GODLEE

Reversionary bequest of approximately £25,000 for the general purposes of the College.

SIR HALLEY STEWART TRUST

A grant of £500 towards the purchase of a collection of Icelandic books for the Scandinavian section of the College Library.

HAMBRO'S BANK

A grant of £52 10*s*. towards the purchase of a collection of Icelandic books for the Scandinavian section of the College Library.

HISPANIC COUNCIL

A grant of £50 per annum for three years towards maintenance and development of the Latin American History section of the College Library.

MRS H. A. LAKE BARNETT

A gift of £500 for lectures on Folk-lore subjects.

TRUSTEES OF THE LEVERHULME TRUST FUND

Financial provision to raise the value of the Leverhulme Studentships in Chemical Engineering from £350 to £400 per annum.

THE NATIONAL COAL BOARD

A grant of £1,200 per annum for four years for research in the Department of Psychology into the causes of coal miners' accidents.

LORD NORMAND

An edition of Stair's 'Institutions of the Laws of Scotland'.

NUFFIELD FOUNDATION

(1) A grant of £10,200 for further work in the Department of Anatomy and Embryology on the application of electronic theory and technique in biology.

(2) A further grant of £2,700 over three years for the continuation of research in the Department of Anatomy and Embryology on cell movements in tissue culture.

(3) A further grant of £2,000 a year for two years for the continuation of research in the Department of Town Planning on the social aspect of planning surveys and analysis.

(4) A grant of £1,740 for two years for research in the Department of Botany on fat metabolism in algae.

(5) A grant of £400 for five years for research in the Department of Zoology on transplantation immunity.

(6) A grant of £370 for research in the Department of Psychology into the effects of prematurity.

(7) A loan for not less than ten years of a library in connection with the establishment of a research centre for the study of human communication.

LADY PETRIE

A gift of £100 for a Flinders Petrie scholarship fund.

ROCKEFELLER FOUNDATION

(1) A further grant of £10,000 over a five-year period beginning 1 February 1953 in support of a study of medical student selection under the direction of Professor J. Z. Young.

(2) A grant of up to £500 for the purchase of apparatus for the Department of Anatomy and Embryology.

(3) A grant of 50,000 dollars for research in the Department of Eugenics, Biometry, and Genetics in developmental genetics in mammals.

(4) A grant of 25,000 dollars over a period of five years for research by Dr H. Grüneberg in the Department of Eugenics, Biometry, and Genetics.

SALTERS' COMPANY

A gift of £750 for equipment for research in the Department of Chemical Engineering.

SHELL-MEX SOUTH AMERICA LIMITED

A gift of £25 under deed of covenant for seven years for developing and maintaining the Latin American History section of the College Library.

SOCIAL RESEARCH FOUNDATION

A grant of £250 for the Galton Laboratory.

SIR STANLEY UNWIN

A grant of £25 towards the purchase of a collection of Icelandic books for the Scandinavian section of the College Library.

THE WATER-TUBE BOILERMAKERS' ASSOCIATION

A grant of up to £1,500 per annum for two years for photoelastic investigation in the Department of Civil and Municipal Engineering into the stresses in tube plates.

APPENDIX XIII

COLLEGE ACCOUNTS 1952–53

The Accounts for the year 1952–53 which follow on pages 84–91 comprise the Income and Expenditure Account and Balance Sheet, and the subsidiary account for Rehabilitation and Development.

BALANCE SHEET

Features of special interest were:

LIABILITIES

The College General Capital Account was increased by grants totalling £35,000 received from H.M. Treasury to finance the purchase of 100 & 102 Gower Street and 20 & 22 Maple Street, as well as the purchase of the lease at 11 Chester Terrace.

Sundry Funds include the College's Reserve Funds amounting to £33,392 and Special Funds of £109,303. The Special Funds have been increased by some £40,000 since 31 July 1952, by the inclusion of a bequest of £22,669 from

the estate of the late Sir Rickman Godlee, and of the proceeds up to 31 July 1953, amounting to £20,853, of the Ramsay Centenary Appeal Fund which is in the custody of the College.

An interest-free loan from the University of £41,000, made as an advance in respect of the Court Grant due in September 1953, enabled the College to avoid obtaining costly bank loans during this period of the year, and the assistance afforded by the University is gratefully acknowledged.

ASSETS

The value of the College Freehold Land, Buildings etc. was increased by the acquisition of the two properties for which Capital Grants were received.

Under Investments have been included the securities bequeathed to the College by the late Sir Rickman Godlee amounting to £22,669.

Current Assets include a bank balance of £30,322 and the deposit balance of £20,646 for the Ramsay Centenary Appeal Fund.

TRUST FUNDS

The College holds Endowments in the form of 164 separate Trust Funds with a total value of over £1,000,000. They yield a gross income of some £46,000.

INCOME AND EXPENDITURE

The Income and Expenditure Account showed a surplus of £28,381 as compared with the deficit of £30,160 in the previous year.

The total expenditure of £924,760 was £96,491 greater than in 1951–52. This was to a large extent due to general increases in the cost of services, but it was also due to certain new appointments, normal salary increments, special salary increases in view of the higher cost of living, and the introduction of the revised wage scale for technicians.

Under Departmental and Laboratory Maintenance were included non-recurrent grants for the purchase of scientific apparatus which had in the previous quinquennium been made by special capital grants.

The income of £953,141 exceeded that of the previous year by £154,932. This was mainly accounted for by increases totalling £153,124 in the grants allocated by the Court of the University which rose from £621,876 to £775,000.

The percentages of the expenditure and income under the main classifications in the years 1950–51, 1951–52, and 1952–53 are shown in the following tables:

EXPENDITURE	1950–1 %	1951–2 %	1952–3 %
Salaries and Pensions of Teaching Staff	53·8	52·3	49·7
Departmental Expenses, incl. Library ..	19·4	20·7	24·2
Maintenance of Premises ..	11·3	11·8	12·8
Administration ..	10·0	9·7	7·8
Other	5·5	5·5	5·5
	100·0	100·0	100·0

INCOME	1950–1 %	1951–2 %	1952–3 %
Endowments ..	5·4	5·1	4·4
Donations ..	0·5	0·4	0·4
Grants	76·4	78·0	81·3
Fees	13·9	15·0	12·6
Other	3·8	1·5	1·3
	100·0	100·0	100·0

A summary of the income and expenditure of the College which compares the results in the years 1938–39, 1951–52, and 1952–53 is as follows:

EXPENDITURE	*Thousands of £* 1938–9	1951–2	1952–3	INCOME	*Thousands of £* 1938–9	1951–2	1952–3
Administration ..	18	82	72	Endowments ..	43	41	41
Departmental Maintenance	171	602	684	Grants	103	622	775
Maintenance of Premises ..	36	96	118	Fees	83	119	119
Other	23	48	51	Other	23	16	18
	248	828	925		252	798	953

REHABILITATION AND DEVELOPMENT ACCOUNT

This account records the course of operations upon the rebuilding of the College after damage suffered during the war, and upon the provision of temporary accommodation, of certain new buildings, and their equipment. The account shows in separate sections works completed in the twelve years up to 31 July 1953, and works in progress.

The various projects are financed mainly by special Capital Grants from the University Grants Committee, and by War Damage compensation, but the balance has to be found from College sources. Up to date, 72% has been found from Capital Grants, 25% from War damage compensation, and 3% from College funds and other sources.

In this account the payments of £1,591, 092 for the twelve years up to 31 July 1953 exceeded the receipts of £1,487,344 by £103,748, which related to expenditure upon:

	£
Projects for which Capital Grants and War Damage compensation claims have been approved	48,173
Apparatus for which Capital Grants have been approved	2,112
Projects in anticipation of Capital Grants	30,184
Preparation of Plans for College development	19,384
Projects to be financed from College and other funds	3,895
	£103,748

CAPITAL GRANTS

Capital Grants for the year 1952–53 were as follows:

ACQUISITION OF LAND AND PROPERTY	£
Purchase of 100 & 102 Gower Street	32,500
Purchase of 104 Gower Street—professional charges	476
Purchase of Malet Place Warehouse and 33–35 Torrington Place—professional charges	1,225
Purchase of Lease of 11 Chester Terrace	1,400
	(35,601)

NEW CONSTRUCTION AND EQUIPMENT

Main Building—additional building work	4,741
New Physics Building, Stage I—increases in cost and additional work	25,193
Reconstruction of Library at Observatory	9,777
Electricity Sub-Station at 88A Gower Street—increases in cost ..	166
Conversion of Malet Place, East Side—increase in cost	70
Alterations in Biochemistry Department—increase in cost	60
North & South Junctions—increases in cost and additional work ..	36,260
Chemistry Area Vaults—increase in cost	126
Conversions to form Animal House for Psychology Department ..	800
Conversion of 24–26 Gordon Square—increase in cost	633
New Storey on Anatomy—increases in cost and professional fees ..	8,420
Repairs to Slade School Hostel	1,028
Provision of New Boilers—increase in cost and professional fees ..	228
Provision of Opening Gear for Windows, and Unit Heater in General Library	1,203
	(88,705)
	£124,306

SCHOLARSHIPS AND PRIZES

Expenditure upon these awards amounted to £9,751 15*s.* 2*d.* in 1952–53. Awards were made as under:

	Undergraduate £ *s.* *d.*	*Postgraduate* £ *s.* *d.*
From Endowments	2,340 11 3	1,895 0 0
„ Donations and Subscriptions	44 10 0	3,111 5 0
„ General Income	787 2 9	1,218 11 2
„ General Income: Exhibition Bursaries and special fee remissions	328 10 0	26 5 0
	£3,500 14 0	£6,251 1 2

COLLEGE INCOME AND EXPENDITURE

1951–52 £	EXPENDITURE	£	1952–53 £	£
	ADMINISTRATION			
	Salaries	£		
1,027	Hostel Wardens	1,121		
55,176	Other Salaries	47,228		
			48,349	
3,480	Payments for Superannuation		3,088	
19,638	Advertising, Printing, Stationery, Postage and Telephone ..		17,932	
2,628	Other Expenses (including Audit and Legal Fees)		2,450	
(81,949)				71,819
	DEPARTMENTAL MAINTENANCE			
395,556	Salaries of Teaching Staff		422,750	
34,863	Payments for Superannuation		37,251	
84,976	Departmental Wages (including Superannuation)		113,240	
56,096	Departmental and Laboratory Maintenance		76,926	
30,453	Libraries		33, 436	
(601,944)				683,603
	MAINTENANCE OF PREMISES			
15,878	Rates and Insurance		17,552	
29,862	Heat, Light, Water, and Power		36,036	
34,488	Ordinary Repairs and General Maintenance of Buildings ..		46,578	
15,979	Wages of Porters & Attendants (including Superannuation)		17,983	
(96,207)				118,149
	MISCELLANEOUS EXPENDITURE			
4,552	Pensions for Retired Members of Staff		4,873	
103	Examiners' Fees		148	
4,257	Interest on Overdrafts, Mortgages, etc.		2,547	
8,326	Scholarships and Prizes		9, 752	
9,327	Grants to Students' Societies		10,647	
	Deficits on Income and Expenditure Accounts for Hostels, Refectories, etc.:			
362	Staff Accommodation		417	
516	Hostels		—	
—	Refectory—amount written off		5,000	
	OTHER EXPENDITURE			
	Rent and Other Payments for Use of Buildings:			
2,446	Hostels	2,484		
2,572	Other Buildings	2,525		
			5,009	
11,681	Other Items		8,981	
(44,142)				47,374
4,127	CAPITAL EXPENDITURE MET FROM INCOME			3,815
828,369				924,760
—	BALANCE OF INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR			28,381
£828,369				£953,141

UNIVERSITY COLLEGE
ACCOUNT FOR YEAR ENDED 31 JULY 1953

1951–52 £	INCOME	£	1952–53 £
	ENDOWMENTS		
41,080	Income appropriated to meet expenditure for particular purposes specified by Trust	40,888	
640	Income appropriated to meet expenditure on general purposes (Bawden Fund)	640	
(41,720)			41,528
	DONATIONS AND SUBSCRIPTIONS APPROPRIATED FOR:		
1,761	Special Purposes	1,106	
1,695	Scholarships and Bursaries	3,156	
(3,456)			4,262
621,876	GRANT FROM UNIVERSITY COURT		775,000
	FEES		
118,429	General	118,466	
693	Examination and Registration Fees	716	
410	Exhibition Bursaries and Special Fee Remissions	355	
119,532		119,537	
327	*Less* Intercollegiate Fees paid	—	
(119,205)			119,537
1,039	CONTRIBUTIONS FOR SERVICES RENDERED		1,974
	SURPLUS FROM INCOME AND EXPENDITURE ACCOUNTS FOR HALLS OF RESIDENCE, REFECTORIES, ETC.		
3,074	College Properties		3,468
7,839	OTHER ITEMS		7,372
798,209			953,141
30,160	*Balance of Income and Expenditure Account for the year* ..		—
£828,369			£953,141

LIABILITIES, CAPITAL ACCOUNT, RESERVES, AND OTHER FUNDS

1951–52 £		£	£	1952–53 £	£
	COLLEGE GENERAL CAPITAL ACCOUNT			858,509	
	Add Capital Grants:		£		
	100–102 Gower Street		32,000		
	11 Chester Terrace		1,400		
	20 & 22 Maple Street		1,600		
				35,000	
				893,509	
858,509	*Less* Bentham Hall Amortization			6,813	
					886,696
34,596	REDEMPTION FUNDS				41,322
	INCOME AND EXPENDITURE ACCOUNT				
	Balance for the year ended 31 July 1953			28,381	
	Less Balances at 1 August 1952:				
	Social Sciences Account (Surplus)		1,333		
	General (Deficit)		23,734		
				22,401 (Dr)	
	Balance at 31 July 1953 :				
	Social Sciences Account		1,333		
	General		4,647		
				5,980	
22,401 (Dr)					5,980
128,416	SUNDRY FUNDS				198,021
999,120					1,132,019
229,496	LOANS				222,068
110,058	CURRENT LIABILITIES				111,403
1,338,674					1,465,490
959,230	TRUST FUNDS: Liabilities and Capital				1,043,089
£2,297,904					£2,508,579

We have examined the above Balance Sheet as at 31 July 1953, and opinion and to the best of our information and according to the drawn up and in accordance with the books of the College.

3 Frederick's Place, Old Jewry, London EC2
30 November 1953

ASSETS AND REHABILITATION AND DEVELOPMENT EXPENDITURE

1951–52 £		£	1952–53 £	£
1,083,750	COLLEGE FREEHOLD LANDS, BUILDINGS, FURNITURE, LIBRARY			1,118,973
	COLLEGE LEASEHOLD PROPERTY	£		
13,542	37 and 38 Nevern Square	13,542		
138	*Less* Leasehold Depreciation..	185		
13,404			13,357	
22,710	Bentham Hall (31–43 Cartwright Gardens)	22,710		
	Less Amortization	6,813		
			15,897	
36,114	11 Chester Terrace		1,922	
	[*Lease expiring 5 July 1966*]			31,176
1,119,864				1,150,149*
	REHABILITATION AND DEVELOPMENT ACCOUNT			
65,539	Payments, less receipts to date, on account of Capital Works in Progress, Deferred Expenditure, and Expenditure on Reconstruction of Properties damaged by Enemy Action			103,749*
	**The values at which these assets appear in the Balance Sheet will be subject to adjustment on settlement of War Damage Claims for properties destroyed and damaged.*			
	INVESTMENTS			
69,520	General College and Redemption Funds		91,129	
17,000	*Less* Depreciation		13,000	
52,520	[*Market Value at 31 July 1953, £77,901*]			78,129
100,751	CURRENT ASSETS			133,463
1,338,674				1,465,490
959,230	TRUST FUNDS: Assets			1,043,089
£2,297,904				£2,508,379

relative Income and Expenditure Accounts. We report that in our explanations given to us, the aforementioned Accounts are properly

[Signed] PRICE, WATERHOUSE & CO.
Chartered Accountants

Item	Project	PAYMENTS 1941–52 £	1952–53 £	Total £
	COMPLETED PROJECTS as at 1 August 1952	127,615	—	127,615
	PROJECTS COMPLETED DURING THE YEAR			
1	Huts and Equipment	54,167	160	54,327
2	Junior Chemistry Laboratory	24,354	43	24,397
3	Chemistry Fume Extraction Cupboard	10,700	2,594	13,294
4	Animal House—Stage I	9,340	—	9,340
5	Alterations and Additions to Anatomy Department ..	912	88	1,000
6	Alterations to Engineering Faculty	9,751	—	9,751
7	24–26 Gordon Square	34,855	341	35,196
8	Library	26,514	9	26,523
9	17 Gordon Street	2,609	—	2,609
10	Chemistry Area Vaults	8,522	1,473	9,995
11	Superintendent of Works Office	1,449	23	1,472
12	Fine Art Library	700	—	700
13	Works Department Machinery	1,300	—	1,300
14	Physiology Alterations	809	5	814
15	Botany Department Greenhouse	824	—	824
16	Thane Library Lighting	—	152	152
	Total Completed Projects	314,421	4,888	319,309
	WORKS IN PROGRESS			
17	Preparation of Plans for Reconstruction of College ..	25,470	4,542	30,012
18	Reconstruction of Main Building (including North and South Junctions)	328,612	95,235	423,847
19	Refectory Equipment	19,653	385	20,038
20	Reorganisation of College Electricity System	157,271	1,983	159,254
21	New Boilers for Chemistry	9,778	254	10,032
22	Chemistry Crystallography Laboratory	5,328	—	5,328
23	Chemistry Light Storey	29	1,443	1,472
24	Arrears of Maintenance	45,457	7,544	53,001
25	Animal House—Stage II	569	—	569
26	Electronic Workshop	3,609	70	3,679
27	Office Equipment and Furniture	7,115	—	7 115
28	Botany Greenhouse	447	—	447
29	War Damage Repairs	43,991	—	43,991
30	Furniture for New Library	23,912	557	24,469
31	Physics Department Re-instatement	2,694	—	2,694
32	Egyptology Collection	13,674	1	13,675
33	Telephone Switchboard	6,639	76	6,715
34	Gordon Street Cycle Shed and Battery House	1,691	—	1,691
35	Hostels Development Scheme	20	—	20
36	New Physics Building	32,996	87,646	120,642
37	Squash Court Site	16	—	16
38	Botany New Laboratory	10,862	29	10,891
39	Preparation of Plans for College Development ..	14,215	5,169	19,384
40	Temporary Accommodation	6,145	2,096	8,241
41	Chemistry Department Benches and Shelving	1,683	183	1,866
42	Furniture for New Members of Staff and New Accommodation	2,045	30	2,075
43	Strengthening Floors in Foster Court	519	—	519
44	Miscellaneous Minor Works	6,527	218	6,745
45	Alterations and Equipment for 94–98 Gower Street and Malet Place (East Side)	6,972	50	7,022
46	Equipment for Main Building (including North and South Junctions)	15,710	21,266	36,976
47	Alterations in Biochemistry	1,155	241	1,396
48	Departmental Apparatus and Equipment	70,593	7,002	77,595
49	114–116 Gower Street Adaptation	1,794	4	1,798
50	Gower Street Front	6,518	—	6,518
51	New Library Building	1	—	1
52	17–18 Gordon Square	—	40	40
53	Bentham Hall—Alterations	24,815	3,784	28,599
54	Bentham Hall—Furnishings	9,063	1,825	10,888
55	College Heating—Installation of New Boilers	2,573	4,750	7,323
56	Biological Sciences Block	41,812	25,494	67,306
57	Physiology Alterations	—	22	22
58	Lift Repairs in Physiology Department	55	917	972
	Carried forward	1,266,449	277,744	1,544,193

Item	RECEIPTS					
	War Damage	*College Funds*	*Miscellaneous Sources*	*Capital Grants*	*Total*	*Balance*
	£	£	£	£	£	£
	15,149	17,634	8,725	84,989	126,497	1,118
1	—	—	—	54,330	54,330	3 (Cr)
2	—	—	—	24,397	24,397	—
3	—	2,000	—	11,294	13,294	—
4	—	1,020	—	8,320	9,340	—
5	—	—	—	1,000	1,000	—
6	—	—	—	9,751	9,751	—
7	10,664	2,000	—	22,353	35,017	179
8	12,010	—	—	14,513	26,523	—
9	707	—	—	1,950	2,657	48 (Cr)
10	—	—	—	9,995	9,995	—
11	—	—	—	1,471	1,471	1
12	—	—	—	700	700	—
13	—	—	—	1,300	1,300	—
14	—	—	—	785	785	29
15	—	—	824	—	824	—
16	—	—	152	—	152	—
	38,530	22,654	9,701	247,148	318,033	1,276
17	—	—	—	25,456	25,456	4,556
18	286,745	—	—	117,396	404,141	19,706
19	—	3,405	—	16,583	19,988	50
20	—	—	—	152,720	152,720	6,534
21	—	1,000	—	8,778	9,778	254
22	—	1,923	—	3,393	5,316	12
23	—	—	—	—	—	1,472
24	—	3,602	1,378	46,960	51,940	1,061
25	—	—	—	—	—	569
26	—	—	—	3,656	3,656	23
27	—	—	—	6,803	6,803	312
28	—	—	—	—	—	447
29	44,112	—	—	—	44,112	121 (Cr)
30	—	—	—	23,000	23,000	1,469
31	—	—	—	2,609	2,609	85
32	—	—	—	13,000	13,000	675
33	—	—	—	6,639	6,639	76
34	—	—	—	1,645	1,645	46
35	—	—	—	—	—	20
36	—	—	—	110,596	110,596	10,046
37	—	—	—	—	—	16
38	—	—	—	10,848	10,848	43
39	—	—	—	—	—	19,384
40	—	—	—	7,231	7,231	1,010
41	—	—	—	1,853	1,853	13
42	—	—	—	2,000	2,000	75
43	—	—	—	517	517	2
44	—	—	—	6,323	6,323	422
45	—	—	—	6,973	6,973	49
46	—	—	—	31,214	31,214	5,762
47	—	—	—	890	890	506
48	—	2,460	—	73,359	75,819	1,776
49	—	—	—	1,678	1,678	120
50	—	—	—	—	—	6,518
51	—	—	—	—	—	1
52	—	—	—	—	—	40
53	—	—	—	28,504	28,504	95
54	—	—	—	10,503	10,503	385
55	—	—	—	7,304	7,304	19
56	—	—	—	62,295	62,295	5,011
57	—	—	—	—	—	22
58	—	—	—	960	960	12
	369,387	35,044	11,079	1,038,834	1,454,344	89,849

PAYMENTS (continued)

Item	*Project*	1941–52 £	1952–53 £	*Total* £
	Brought Forward	1,266,449	277,744	1,544,193
59	Long Vacation moves 1951 and 1952	1,228	727	1,955
60	General Library Heating	—	334	334
61	New Engineering Building	5	—	5
62	Zoology Research Rooms and Animal House	3,634	907	4,541
63	Psychology Animal House	5	791	796
64	Carpets, Floor Coverings and Repairs	7,154	1,913	9,067
65	Equipment and Furniture for Foster Court	820	3,653	4,473
66	Physics Roof—Dry Rot	251	251 (Cr)	—
67	Observatory—Foundations, Equipment and Library Building	6	7,209	7,215
68	28–29 Cartwright Gardens, Repair of Back Walls ..	3,507	2,041	5,548
69	Accommodation for Scandinavian Studies in Basement of Main Building	12	144	156
70	Campbell Hall—Alterations	—	7,719	7,719
71	Campbell Hall—Furnishings	—	724	724
72	Electricity Sub-Station, 88a Gower Street	70	1,500	1,570
73	Chemistry Department Alterations	—	84	84
74	17–18 Gordon Square—Compensation for Surrender of Lease	—	1,400	1,400
75	104 Gower Street—Compensation for Surrender of Lease	—	850	850
76	Great Hall Site	413	—	413
77	Miscellaneous Works in Progress..	22	27	49
		£1,283,576	£307,516	£1,591,092

Receipts up to 31 July 1952

RECEIPTS (continued)

Item	War Damage £	College Funds £	Miscellaneous Sources £	Capital Grants £	Total £	Balance £
	369,387	35,044	11,079	1,038,834	1,454,344	89,849
59	—	—	—	1,282	1,282	673
60	—	—	—	315	315	19
61	—	—	—	—	—	5
62	—	—	—	4,503	4,503	38
63	—	—	—	789	789	7
64	—	—	—	9,039	9,039	28
65	—	—	—	2,677	2,677	1,796
66	—	—	—	—	—	—
67	—	—	—	7,137	7,137	78
68	—	—	—	5,533	5,533	15
69	—	—	—	155	155	1
70	—	—	—	—	—	7,719
71	—	—	—	—	—	724
72	—	—	—	1,570	1,570	—
73	—	—	—	—	—	84
74	—	—	—	—	—	1,400
75	—	—	—	—	—	850
76	—	—	—	—	—	413
77	—	—	—	—	—	49
	£369,386	£35,044	£11,079	£1,071,834	£1,487,344	£103,748
	£305,444	*£35,044*	*£10,927*	*£866,622*	*£1,218,037*	*£65,539*

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